

C 44714  
County Borough of



West Hartlepool

# ANNUAL REPORT

upon the

## Health of West Hartlepool

FOR THE YEAR 1937

BY

JOHN W. McKEGGIE,

M.B., Ch.B., D.P.H.,  
MEDICAL OFFICER OF HEALTH,  
TUBERCULOSIS OFFICER,  
SCHOOL MEDICAL OFFICER.



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# REPORT

OF THE

## MEDICAL OFFICER OF HEALTH.

FOR THE YEAR 1937.

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PUBLIC HEALTH DEPARTMENT,  
HART ROAD,  
WEST HARTLEPOOL,  
JUNE, 1938.

*To the Mayor, Aldermen and Councillors of the  
County Borough of West Hartlepool.*

I have the honour to submit my 8th annual report on the health and sanitary circumstances of the County Borough of West Hartlepool.

The statistical figures vary only slightly from last year. Infectious diseases remained about the same but showed an improvement by a fall in the incidence of Diphtheria.

The Registrar-General estimates a fall in the population of some 620 persons as compared with 780 for the previous year.

During the year the Midwives Act of 1936 came into force and a system of Home Helps was introduced.

I wish to express my appreciation of the interest taken by members of the Council in matters relating to the health of the Borough and to thank the officials of the Corporation for their ready help in carrying out the work and in supplying certain items of information included in this report. To the members of my staff I tender thanks for their loyal support during the year.

I am, Gentlemen,  
Your obedient servant,  
J. W. McKEGGIE,  
*Medical Officer of Health.*

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	...	...	...	...	4,473
Population (Census 1931)	...	...	...	...	...	...	68,134
Population (Registrar-General's Estimate, 1937)	...	...	...	...	...	...	70,100

(The calculations in this Report are based on the latter figure).

Number of Inhabited Houses on 31st Dec., 1937, according

to the Rate Books	...	...	...	...	...	18,150
Rateable Value (1st April, 1937)	...	...	...	...	...	£366,470
Sum represented by a Penny Rate	...	...	...	...	...	£1,402
Birth Rate	...	...	...	...	...	18·48
Death Rate	...	...	...	...	...	13·18
Infantile Mortality Rate	...	...	...	...	...	62·50
Death Rate as requested by Minister of Health	$13·18 \times 1·11 =$					14·62

## EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	Total	Male	Female	
Live births—				} Birth Rate per 1,000 of the estimated resident population—18·48.
Legitimate ...	1251	616	635	
Illegitimate ...	45	20	25	

Stillbirths 37. Rate per 1,000 total births 28·6.

Deaths 924. Death rate per 1,000 of the estimated resident population—

Crude Rate	..	13·18
Standard Rate	...	14·62

Deaths from puerperal causes—

From Sepsis ...	...	...
From other causes	...	2

Total 2

Death Rate of Infants under one year of age :—

All Infants per 1,000 live births—

Legitimate—60·96.      Illegitimate—1·54.      Total—62·50.

Deaths from Measles (all ages)	...	...	...	...	...
Deaths from Whooping Cough (all ages)	...	...	...	...	8
Deaths from Diarrhoea (under two years of age)	...	...	...	...	3



HEALTH COMMITTEE.

1936-37.

ALDERMAN E. BLOOM (*Chairman*).

ALDERMAN T. GREEN (*Vice-Chairman*).

ALDERMAN G. E. HOPE.

ALDERMAN J. W. J. RICHARDSON.

COUNCILLOR V. D'ALBY.

COUNCILLOR W. S. DONAGHY.

COUNCILLOR T. GOWLER.

COUNCILLOR J. MCKENZIE.

COUNCILLOR J. MIDDLETON.

COUNCILLOR T. W. PINKNEY.

COUNCILLOR P. M. WILLIAMS.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

PUBLIC HEALTH STAFF.

Medical Officer of Health, School Medical Officer, etc.—

\* J. W. McKEGGIE, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health—

\* WM. V. MACFARLANE, M.D., Ch.B., D.P.H.

Assistant Medical Officer of Health—

\* KATHARINE D. MACFARLANE, M.B., Ch.B.

Consultant Obstetric Surgeons—

\* Mr. H. HARVEY EVERS (Newcastle-on-Tyne).

1\* Mr. WM. HUNTER                                 ,,                 ,,

\* Mr. E. FARQUHAR MURRAY „ „

\* Mr. FRANK STABLER                   ,,         ,,

Ophthalmic Surgeon (part-time)—

\* F. S. HUBBERSTY, M.R.C.S., L.R.C.P., F.R.C.S.

Aural Specialist (part-time)—

\* R. M. MARSHALL, M.B., Ch.B., F.R.C.S.

## School Dentists—

\* A. G. WILDGOOSE, L.D.S. (Glasgow).

2\* MISS M. I. MANLEY, L.D.S. (Leeds).

Veterinary Surgeon (part-time)—

H. HICKS, M.R.C.V.S.

Sanitary Inspectors and Inspectors under the Food and Drugs Acts—

J. T. DURKIN, C.R.S.I.

H. V. ROBINSON, C.R.S.I.

I. PRICE, Cert.S.I.B.

J. R. LISTER, Cert.S.I.B.

R. E. V. WARRAND, Cert.S.I.B.

Health Visitors—

\* MISS A. G. TODD (General and Fever Trained, Certified Midwife,  
Health Visitors' Certificate).

\* MISS A. S. BAGSHAW (General Trained, Cert. Midwife, H.V.Cert.)

\* MISS E. PEACOCK do.

\* MISS M. WILKINSON do.

\* MISS J. BUTLER do.

\* MISS F. ALLISON do.

3\* MISS M. STEVENSON do.

Matron, Grantully Maternity Home—

MISS J. WIGHT, (General Trained, Certified Midwife).

Matron, Isolation Hospital—

MRS. A. JONES (General and Fever Trained).

School Nurses—

4\* MISS E. SMITH (General Trained, Cert. Midwife, H.V. Certificate).

5\* MISS H. DAVIES (General Trained, Certified Midwife).

\* MISS E. WITTEN (General Trained, Reg. Sick Children's Nurse).

Clerks—

A. TRENHOLM.

MISS H. A. RIGBY.

MISS L. JARROLD.

MISS M. MACE.

MISS N. MOWBRAY.

Apprentice Sanitary Inspectors—

C. BOWLT.

J. EDWARDS.

6 J. LIGHTFOOT.

7 E. PHILBIN.

Superintendent, Public Abattoir—

H. J. STOTT.

Public Analyst (part-time)—

C. J. H. STOCK, B.Sc., F.I.C.

Veneral Diseases Attendant—

B. R. PEARSON.

Employed for Disinfecting, etc.

T. HODGSON.

F. LUMLEY.

## HOWBECK INFIRMARY.

Senior Medical Officer—

H. M. MACGILL, M.D., C.M.

Surgeon—

A. C. AINSLEY, F.R.C.S., L.R.C.P.

Resident Medical Officer—

N. M. WILLIAMS, B.Sc., M.B., B.Ch.

District Medical Officers under the Poor Law Acts—

R. W. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.

A. RENNIE MUIR, M.R.C.S., L.R.C.P.

8 G. S. MATHER, M.B., Ch.B., D.P.H.

\* Contributions to salaries from Exchequer Grant.

1. Appointed January, 1937.
2. Appointed May, 1937.
3. Appointed 19th May, 1937.
4. Resigned 31st December, 1937.
5. Resigned 30th November, 1937.
6. Appointed 12th April, 1937 for six months.
7. Appointed 4th October, 1937.
8. Appointed 1st October, 1937.

## LEGISLATION IN FORCE.

## LIST OF LOCAL ACTS, ADOPTIVE ACTS, BYELAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH.

## LOCAL ACTS :—

West Hartlepool Extension and Improvement Act, 1870.

West Hartlepool Corporation Act, 1931.

## BYELAWS AND REGULATIONS :—

Byelaws regulating :—Sanitary Conveniences, 1909 ; Means of Escape in case of Fire, 1914 ; Offensive Trades, 1917 ; Public Abattoir, 1917 ; Employment of Children, 1920 and 1934 ; Good Rule (Nuisances), 1920 ; Tents, Vans, Sheds, etc., 1921 ; Houses-let-in-lodgings, 1922 ; Maternity Homes, 1927 ; Nursing Homes, 1928 ; Fouling of Footways by Dogs, 1930 ; Noisy Organs and Musical Instruments, 1931 ; Slaughter Houses, 1931 and 1935 ; Removal of House Refuse, 1934 ; Removal of Offensive Matter, 1934 ; Litter, 1934 ; Common Lodging Houses, 1934.

## ADOPTIVE ACTS :—

Infectious Disease (Notification) Act, 1889 ; Infectious Disease (Prevention) Act, 1890 ; Public Health Acts Amendment Act, 1890, as amended by Public Health Act, 1936 ; Notification of Births Act, 1907 ; Public Health Acts Amendment Act, 1907, as amended by the Public



Health Act, 1936 (with the exception of Sections 17, 21, 30, 31, 32, 80, 84, 85 and 91). Public Health Act, 1925—Part 2 (except Section 20). Health Resorts and Watering Places Act, 1921.

#### LABORATORY WORK, 1937 :

##### SPECIMENS EXAMINED.

Sputum	... T.B. + 90	Dispensary	126	...	...	484
	T.B. —394	Doctors	358			
Swabs	... Diphtheria	+89				
		—994				1083
Smears	... Doctors' cases	13				
	V.D. Clinic Cases	253				266

#### AMBULANCE FACILITIES.

An ambulance kept at the Fire Station is maintained by the Corporation for general and accident cases.

The removal of infectious cases is carried out by an ambulance kept at the Isolation Hospital, and maintained by the Corporation.

#### NURSING IN THE HOME.

The Corporation continues to make a contribution to the District Nursing Association, who employ two qualified nurses.

The Health Visitors do a certain amount of home nursing in cases of pneumonia, ophthalmia neonatorum and puerperal fever.

#### INSTITUTIONAL TREATMENT FOR UNMARRIED MOTHERS, ILLEGITIMATE CHILDREN AND HOMELESS CHILDREN.

The Public Assistance Committee maintain a Home in Blakelock Road, at which 15 girls can be accommodated, under the care of a Lady Superintendent and a Foster Mother. Boys are now accommodated at Darlington.

During 1937, eighteen children were in residence at the Home, three of whom were chargeable to other authorities.

## POOR LAW RELIEF.

## INSTITUTIONAL RELIEF.

1. Number of persons admitted to the Public Assistance Institution during 1937 :—

(a) For Medical Treatment	...	...	1790
		(including 218 from Colony, "House," Casual Wards and Births.)	

(b) For Indoor Treatment	...	...	57
--------------------------	-----	-----	----

2. Number of persons in the Public Assistance Institution on 1st January, 1938 (excluding Colonists)	...	...	...	368
			(including 34 casuals)	

## OUT RELIEF.

3. Number of new cases applying for out-relief only during 1937 :—

Men	...	...	...	...	1284
Women	...	...	...	...	1447
Children	...	...	...	...	2148

4. Number of persons receiving out-relief on 1st January, 1938 :—

Men	...	...	...	...	765
Women	...	...	...	...	1160
Children	...	...	...	...	851

5. Number of cases applying for out-door medical relief during 1937 :—

Men	...	...	...	...	256
Women	...	...	...	...	775
Children	...	...	...	...	915

6. Number of persons receiving medical relief on 1st January, 1938 who are also in receipt of out-door relief as shown in paragraph 4 :—

Men	...	...	...	...	1
Women	...	...	...	...	9
Children	...	...	...	...	7

## INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

During the year the numbers of mental defectives treated in the Colony at Howbeck House were as follows :—

			High Grade		Medium Grade		Low Grade		Total	
			M.	F.	M.	F.	M.	F.	M.	F.
Adults	...	...	—	2	4	43	11	76	15	121
Children	...	...	—	—	11	8	29	25	40	33



## MIDWIVES.

## MIDWIVES ACT, 1936.

The Midwives Act of 1936 was put into force in July and the Corporation engaged 12 Midwives to carry out the work.

Telephones were installed at the residence of each Midwife and connected with an exchange at Grantully Maternity Home. Thus anyone requiring a Midwife at any time of the day or night has simply to get into communication with the Maternity Home.

A scale of fees and remissions for the services of midwives and maternity nurses was drawn up, and is appended here for information.

Dr. K. Macfarlane, Assistant Medical Officer of Health, acts as Inspector of Midwives.

During the year the Municipal Midwives attended 355 births as Midwives and 32 cases as Maternity Nurses.

A list of the midwives practising in the Borough will be found in Appendix 14.

## SCALE OF FEES FOR ATTENDANCE OF MIDWIVES.

For attendance as a Midwife	...	...	...	£2	0	0
For attendance as a Maternity Nurse—						
1st week	...	...	...	£1	0	0
Subsequent weeks	...	...	... per week	10	0	

## SCALE OF REMISSIONS.

Where the average family income per week for the 4 weeks immediately prior to the confinement, after deducting rent, rates and 5/- for each dependent child does not exceed  (1)	SCALE OF REMISSION					
	In respect of Midwives' Fees			In respect of Maternity Nurses' Fees.		
				First week		Subsequent weeks
	Where Maternity Benefit is NOT received (2)	Where Maternity Benefit is received (3)	Where Maternity Benefit is NOT received (4)	Where Maternity Benefit is received (5)	Where Maternity Benefit is NOT received (6)	Where Maternity Benefit is received (7)
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
5 0	1 17 6	1 5 0	12 0	6 0	6 0	3 0
10 0	1 15 0	1 2 6	10 0	5 0	5 0	2 6
15 0	1 12 6	1 0 0				
1 0 0	1 10 0	17 6	7 6	2 6	3 9	1 3
1 5 0	1 6 0	15 0				
1 10 0	1 2 0	10 0	5 0	—	2 6	—
1 15 0	18 0	5 0				
2 0 0	14 0	—	2 6	—	1 3	—
2 5 0	10 0	—				
2 10 0	5 0	—				

NOTE.—Where the average “net weekly income” after deducting rent, rates and 5/- allowance for each child, exceeds £1 15s. 0d. where Maternity Benefit is received and £2 10s. 0d. where Maternity Benefit is not received, no remissions will be made.

## HOME HELPS.

A system of Home Helps was introduced during the year and 4 women were engaged by the Corporation for this work.

The Home Helps are employed during confinements, in running the homes and looking after the children, or in any home where the mother is ill and there are children under 5.

The scheme at first went very slowly, but with the altered charges and as experience widened, and information regarding their use became more widespread, greater advantage has been taken of the Scheme.

The following is the scale of charges for the services of Home Helps :

Where the average weekly income for the 4 weeks immediately prior to the confinement, after deducting rent, rates and an allowance of 5/- for each child, does not exceed (1)	Where Maternity Benefit is not received (2)	Where Maternity Benefit is received (3)
£ s. d.	Daily Charge s. d.	Daily Charge s. d.
15 0	2	6
1 0 0	4	9
1 10 0	6	1 0
2 0 0	1 0	1 6
2 10 0	1 3	2 3

NOTE.—Where the average weekly income, after the deductions specified, exceeds £2 10s. 0d., the total cost of the Home Help's services will be charged (i.e., 3/7 per day, or 25/- per week.)

#### GRANTULLY MATERNITY HOME.

The number of births taking place during the year amounted to 331, the highest figure reached in the history of the Home. The increasing popularity of the Home speaks volumes for the care and efficiency with which the work is being carried out. Further increases are becoming impossible as these are accompanied by periods of overcrowding, which with the attendant serious risks in such an institution cannot be entertained by a serious and discerning authority.

There is no doubt about the fact that people in this area are becoming more Hospital minded and the question of increasing accommodation is now a matter of urgency.

The following statistics show the details of the work and the satisfactory results achieved :—

Number of maternity beds in the institution	...	...	...	16
Number of maternity cases admitted during the year	...	...	...	331
Average duration of stay	...	...	...	14 days
Number of cases admitted during the year for ante-natal treatment	...	...	...	24
Number of cases delivered by (a) Midwives	...	...	...	202
(b) Doctors	...	...	...	129



Number of cases in which medical aid was sought by midwives in emergency ... ..	54
Number of cases notified as (a) Puerperal Fever ... ..	1
(b) Puerperal Pyrexia ... ..	—
Number of cases of pemphigus neonatorum ... ..	—
Number of infants not entirely breast-fed while in the institution	10
Number of cases notified as ophthalmia neonatorum ... ..	1
(Eyes normal on discharge)	
Number of maternal deaths ... ..	—
Number of infant deaths :—	
(a) Stillborn : Hydrocephalic ... ..	1
Macerated ... ..	7
Delayed labour ... ..	1
Anencephalic ... ..	2
Premature ... ..	1
Eclampsia ... ..	1
	— 13
(b) Within 10 days of birth : Premature ... ..	5

#### HOWBECK INFIRMARY.

The following are details of the maternity cases treated at Howbeck Infirmary :—

Number of maternity beds in the institution ... ..	5
Number of cases admitted during the year ... ..	51
Average duration of stay ... ..	...21 days
Number of cases admitted for ante-natal treatment ... ..	17
Number of cases delivered by (a) Midwives ... ..	37
(b) Doctors ... ..	14
Number of cases notified as (a) Puerperal Fever ... ..	—
(b) Puerperal Pyrexia ... ..	2
Number of cases of pemphigus neonatorum ... ..	—
Number of infants not entirely breast fed while in the institution	—
Number of cases notified as ophthalmia neonatorum ... ..	13
(11 satisfactory on discharge. 2 died.)	
Number of maternal deaths ... ..	—
Number of infant deaths :—	
(a) Stillborn : Premature ... ..	3
Malpresentation ... ..	2
Ante-partum haemorrhage ... ..	1
	— 6
(b) Within 10 days of birth : Premature ... ..	3
Asphyxia neonatorum ... ..	1
	— 4

## MATERNAL MORTALITY.

The number of mothers who died in consequence of childbirth during the year was 2. The causes of death were :—

1. Uraemia. Toxaemia of pregnancy.
2. Shock. Caesarian section. Dystocia.

## CLINICS AND TREATMENT CENTRES.

The following tables show the nature of the work done at the Clinics and the conditions found :

### ANTE-NATAL AND INFANT WELFARE CENTRES.

Centre	Total No. of children attending Centre	Total attendances	No. of children who made first attendances	No. of visits made by these children	No. of children who attended previous years	No. of visits made by these children	No. of new attenders under one year	No. of new attenders between 1—5	Ante-natal attenders
Mill House ...	...	450	...	...	...	...	...	...	209 (162 new cases)
Dale Street ...	510	5993	308	2850	202	3143	254	54	...
Oxford Street	769	10567	409	4851	360	5716	364	45	...
Seaton Carew	89	1142	35	435	54	707	28	7	...
Whitby Street	503	5014	247	2149	256	2865	193	54	...
Totals ...	1871	23166	999	10285	872	12431	839	160	209
Totals for 1936	1769	19016	910	7051	859	11699	728	182	166

### METHODS OF FEEDING (FIRST ATTENDERS).

Method.	All Centres		Total
	Regular Hours	Irregular hours	
Natural (breast) ... ..	482	60	542
Artificial (various) ... ..	155	44	199
Combined (natural and artificial) ..	93	5	98
Breast feeding over 1 year of age ..	—	—	—
Children over 1 year—various diets ..	155	5	160
Totals ... ..	885	114	999

During the year the sales of dried milk or allied substances at the Centres amounted to £918 13s. 4d. The quantities of these commodities given free cost £138 3s. 4d.



## DEFECTS FOUND IN INFANTS ATTENDING AT CENTRES.

DISEASE.	CENTRE.				Total
	Oxford St.	Dale St.	Seaton	Whitby St.	
Dermatitis ... ..	—	—	1	6	7
Impetigo ... ..	2	1	3	1	7
Scabies ... ..	1	2	—	3	6
Urticaria ... ..	—	2	2	1	5
Eczema ... ..	2	—	1	—	3
Ophthalmia Neonatorum ...	—	2	—	1	3
Blepharitis ... ..	2	2	—	—	4
Conjunctivitis ... ..	5	1	—	—	6
Strabismus ... ..	3	3	—	1	7
Disease of Tonsils and adenoids ... ..	—	—	4	—	4
Nasal Catarrh ... ..	—	—	5	—	5
Otorrhoea ... ..	5	3	1	1	10
Whooping Cough ... ..	2	—	—	—	2
Bronchitis ... ..	8	1	—	2	11
Rickets ... ..	7	2	3	4	16
Malnutrition ... ..	2	2	—	5	9
Marasmus ... ..	3	—	—	—	3
Anaemia ... ..	3	5	—	4	12
Thrush ... ..	—	2	—	—	2
Jaundice ... ..	2	—	—	2	4
Diarrhoea ... ..	—	13	3	2	18
Constipation ... ..	18	3	—	3	24
Prolapse of rectum ... ..	—	—	2	—	2
Inguinal hernia ... ..	—	—	—	4	4
Umbilical hernia ... ..	6	9	2	4	21
Umbilical polypus ... ..	1	3	—	—	4
Phimosis ... ..	7	5	4	3	19
Naevus ... ..	—	1	—	—	1
Cleft Palate ... ..	—	—	—	1	1
Talipes Varus... ..	1	—	—	1	2
Herpes ... ..	—	—	1	—	1
Erebs Palsy ... ..	—	—	1	—	1
Septic Sores ... ..	—	—	2	—	2
Worms ... ..	1	—	—	—	1
Dental defects ... ..	—	3	—	3	6
Other defects ... ..	11	4	3	4	22
Totals ... ..	92	69	38	56	255

## CHILD WELFARE CENTRES.

There has been no change in the work at the Child Welfare Centres. It was anticipated that the attendance at Whitby Street Centre would drop owing to the movement outward of the population it serves, but to the end of the year the numbers attending were up to normal. The accommodation at this clinic is inadequate for a welfare centre and this makes the supervision of the small babies difficult; any routine examination or observation of the children aged one to five years is almost impossible.

We are again indebted to our voluntary helpers for their regular help and interest in the work at all centres.

The Dental Clinic was attended by mothers and children from the Welfare Centres.

## ANTE-NATAL AND POST-NATAL SCHEME.

The scheme, begun in 1936, whereby every expectant mother could receive ante-natal care from her own doctor, was continued in 1937. Any recommendation as to nourishment or hospital accommodation was carried out by the Department.

The following reports were received :—

	Ante-natal	...	535	
	Post-natal	...	435	
Abnormalities reported			Ante-natal	Post-natal
Albuminuria	...	...	31	—
General Medical Defects	...	...	39	—
Poor nutritional condition	...	...	17	20
Pelvic abnormalities	...	...	24	—
Recommended for Hospital Treatment	...	...	25	4
Recommended for Specialist advice	...	...	—	—
No. of cases seen by Consultants—4.				

## ANTE-NATAL CLINIC.

An Ante-natal Clinic was held once a week at Mill House at which 209 women attended. This clinic fills in any gap in the general scheme for ante-natal supervision, by providing for those women who have no family doctor or who are in ignorance of the arrangements made. In spite of the provision made, of the 1296 births in the town in 1937, only 844 of the mothers had ante-natal supervision by a doctor. In the majority of cases this was due to the carelessness of the mother in ignoring the need for supervision, even to the extent of not engaging a midwife till the last months of pregnancy.

## NUTRITION EXPERIMENT.

In March, 1937 the Joint Council of Midwifery wrote asking for co-operation in a nutrition experiment. The offer made was to provide suitable nourishment for expectant mothers during the last ten weeks of pregnancy and for 3 weeks after.

This offer was accepted and the scheme put into operation on the 1st July, 1937. Distribution was not made through the ante-natal clinics, but on the suggestion of doctors, midwives and health visitors.

No strict means test was applied in these cases but the food given where it was needed ; that is, to any expectant mother whose diet was limited.

A summary of the report sent to the Joint Council for the 6 months 1st July to 31st December follows :—

200 Expectant mothers received :—

440 tins of Colact.

880 tins of Ostermilk.

880 Cartons of Marmite.

32 Maternity Outfits.

Of the above, 113 women were confined before 31-12-37 and 87 were still receiving gifts on that date.

Investigation of the cases receiving extra nourishment from this source, and the remaining births, gave the following information :—

	113 cases who received extra nourishment	523 other cases
No. of cases of sepsis ... ..	—	—
No. of Maternal deaths ... ..	—	2
No. of Stillbirths ... ..	4	19
No. of Neo-natal deaths ... ..	6	18

This experiment is being continued in 1938.

## ULTRA VIOLET RAY CLINIC.

U.V.R. treatment was given twice weekly to a large number of children from the Maternity Centres and the School Clinic.



## MIDWIVES ACTS, 1902-36.

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN AN  
EMERGENCY BY MIDWIVES.

(The figures in Brackets Indicate Insured cases)

PREGNANCY—				PUERPERIUM—			
Albumen in urine	...	7	(3)	Lacerated Perineum	...	84	(62)
Ante-partum				Post-partum			
haemorrhage	...	12	(3)	haemorrhage	...	10	(4)
Rise of temperature				Illness of Mother	...	22	(10)
(ante-natal)	...	6	(1)	Rise of temperature	...	5	(1)
Swollen Feet	...	2	(1)				
Abortion	...	3	(—)				
Miscarriage	...	1	(—)				
		—	—			—	—
Totals	...	31	(8)	Totals	...	121	(77)
		==	==			==	==
LABOUR—				INFANTS—			
Malpresentation	...	16	(8)	Discharging eyes	...	18	(8)
Prolonged and difficult				Illness of baby	...	20	(7)
labours	...	115	(64)	Premature birth	...	13	(2)
Retained placenta	...	2	(—)	Jaundice	...	1	(1)
				Malformation	...	2	(—)
				Tongue tie	...	3	(1)
				Stillbirths	...	4	(1)
		—	—			—	—
Totals	...	133	(72)	Totals	...	61	(20)
		==	==			==	==

## MATERNITY INSURANCE SCHEME.

The Council maintained their Insurance Scheme throughout the year and I am indebted to the Borough Treasurer for the following financial particulars :—

	Year ended	
	31st March, 1937	31st March, 1938
Number of contributors to scheme	438	460
Amount of contributory fees received	£146 2 0	£172 13 6
Confinements during the period :—		
(a) No medical attention	252	271
(b) With medical attention	200	158

## Contributory fees received in respect of

(a) and (b) above	...	...	...	£143 19 0	£160 1 6
Amount of Doctors' fees paid by the Corporation	...	...	...	£328 1 6	£252 6 6
Number of cases where confinement has not taken place during the period	...			53	84
Percentage of cases in which medical treatment was required	...	...	...	44%	37%
Average cost per case of medical treatment	...			£1 12 10	£1 12 0
Amount received in contributory fees for each case treated	...	...	...	£0 14 5	£1 0 3
Loss to Corporation per case treated	...			£0 18 5	£0 11 9

## WORK OF THE HEALTH VISITORS.

## Maternity and Child Welfare :—

Visits to children under one year of age—	Primary visits	...	...	1288
	Secondary visits	...	...	4949
Visits to children between one and five years	...	...	...	12212
Visits to expectant mothers—	Primary Visits	...	...	730
	Secondary visits	...	...	1278
Visits for cases of ophthalmia neonatorum—	Primary visits	...	...	17

## Tuberculosis :—

Primary visits to new cases	...	...	...	126
Secondary visits to—	Domiciliary cases	...	...	1571
	Dispensary cases	...	...	527

## Health Work :—

Visits to cases of pneumonia—primary visits	...	...	...	139
Visits to cases of puerperal fever and pyrexia—primary visits	...	...	...	27
Visits to cases of scarlet fever	...	...	...	91
Visits to mental defectives	...	...	...	73
Visits to boarded-out children	...	...	...	17

Special Enquiries	...	...	...	650
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## Nursing :—

Visits to cases of pneumonia	...	...	...	—
Visits to cases of ophthalmia neonatorum	...	...	...	106
Visits to cases of puerperal fever and pyrexia	...	...	...	22

## Clinics :—

Sessions at—	Maternity and Child Welfare Centres	...	...	470
	Ante-natal Clinic	...	...	50
	Dental (Maternity and Child Welfare)	...	...	31
Tuberculosis Dispensary	...	...	...	114
	Venereal Disease Clinics	...	...	146
	Ultra Violet Ray Clinic	...	...	95
	School Clinic	...	...	2

## School Work :—

Visits to Schools	...	...	...	4
Visits to Schools with School Medical Officer	...	...	...	7
Verminous surveys	...	...	...	5
Following up—	Visits to verminous cases	...	...	18
	Visits to tonsils and adenoids cases	...	...	3
	Visits to cases of infectious disease	...	...	50



## TUBERCULOSIS CLINIC.

The Tuberculosis Clinic was transferred to the Out-patient Dept. at the Cameron Hospital on 1st April, 1937. This procedure has amply justified itself, since in addition to a more pleasant environment for doctor, nurse and patient, radiological facilities are now available on a scale more in keeping with a Tuberculosis Dispensary.

Perusal of the statistics shows a general increase in the work done by the staff. Domiciliary and dispensary visits, bacteriological and radiological examinations, show a decided and welcome increase.

Attention is drawn to the following facts :

- (i) There is a slight increase in the incidence of pulmonary tuberculosis, which is counterbalanced by an equal drop in the number of deaths from pulmonary infection ;
- (ii) a definite reduction in the number of notified non-pulmonary cases ; and
- (iii) an increase in the number of people examined as contacts of known tubercular cases.

The last fact is important, since by the examination of such contacts we go a long way towards preventing the spread of tuberculosis among families where tuberculosis cases actually exist.

Social factors such as overcrowding and other unsatisfactory housing conditions, poverty, etc., are still all too frequently met with in the tuberculosis problem in West Hartlepool. Until conditions prevail whereby each and every infectious tuberculosis case has his or her own bedroom, and whereby each case has suitable financial support, we cannot hope to reduce to any great extent the incidence of tuberculosis.

The West Hartlepool Corporation has introduced a scheme which provides many of the necessitous cases with extra nourishment in the form of pasteurised milk, eggs, butter, etc. The necessity for such a scheme is seen from the fact that extra nourishment to the extent of £514 was supplied during the past year to 119 patients. Sanatorium treatment was afforded to 95 cases, as compared with 62 cases last year, at an increased cost of approximately £1,000.

The success of Dispensary work depends to a great extent on the general practitioners, and once more I record with pleasure the excellent co-operation shown by them during the year.

# Return showing the Work of the Dispensary during the year 1937.

DIAGNOSIS.	Pulmonary				Non-pulmonary				Total				GRAND TOTAL
	Adults.		Children		Adults.		Children		Adults.		Children		
	M	F	M	F	M	F	M	F	M	F	M	F	
— New Cases examined during the year (excluding contacts):													
(a) Definitely tuberculous...	34	22	5	2	...	1	7	4	34	23	12	6	75
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	2	2	1	...	5
(c) Non-tuberculous ...	...	...	...	...	...	...	...	...	10	11	11	10	42
— Contacts examined during the year :													
(a) Definitely tuberculous...	1	1	...	1	...	...	...	...	1	1	...	1	3
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	1	1	6	...	8
(c) Non-tuberculous ...	...	...	...	...	...	...	...	...	2	18	23	21	64
— Cases written off the Dispensary Register as													
(a) Recovered ... ..	6	3	...	2	12	7	8	3	18	10	8	5	41
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)	...	...	...	...	...	...	...	...	17	36	54	50	157
— Number of Cases on Dispensary Register on December 31st :—													
(a) Definitely tuberculous...	90	85	15	9	10	30	50	32	100	115	65	41	321
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	3	3	7	...	13

1. Number of cases on dispensary register on January 1st ..	381
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years ..	7
3. Number of patients transferred to other areas, cases not desiring further assistance under the scheme, and cases 'lost sight of' .. ..	23
4. Cases written off during the year as dead (all causes) .. ..	30
5. Number of attendances at the dispensary (including contacts)	1608
6. Number of insured persons under domiciliary treatment on the 31st December .. ..	48
7. Number of consultations with medical practitioners :—	
(a) Personal .. ..	3
(b) Other .. ..	70

8. Number of visits by Tuberculosis Officers to homes (including personal consultations) ..	49
9. Number of visits by nurses or health visitors to homes for dispensary purposes .. ..	1571
10. Number of	
(a) Specimens of sputum, etc. examined .. ..	481
(b) X-ray examinations made in connection with dispensary work ..	304
11. Number of "recovered" cases restored to dispensary register and included in A (a) and A (b) above .. .. ..	1
12. Number of "T.B. plus" cases on Dispensary register on 31st December .. .. ..	134

Number of beds available for the treatment of tuberculosis on the 31st December, 1937 in institutions belonging to the Council.

Name of Institution	For Pulmonary Cases		For Non-pulmonary Cases		Total
	Adults	Children under 15	Adults	Children under 15	
Poor Law Institution— Howbeck Infirmary	15	4	10	7	36

Return showing the extent of residential treatment and observation during the year in institutions (other than poor law institutions) approved for the treatment of tuberculosis.

		In institutions on Jan. 1	Admitted during the year	Discharged during the year	Died in the institutions	In institutions on Dec. 31
(a) Number of doubtfully tuberculous cases admitted for observation	Adult M.	...	6	6	...	...
	Adult F.	...	2	1	...	1
	Children	1	4	5	...	...
	Total ...	1	12	12	...	1
(b) Number of patients suffering from pulmonary tuberculosis	Adult M.	10	23	22	...	11
	Adult F.	6	23	23	...	6
	Children	6	10	9	...	7
	Total ...	22	56	54	...	24
(c) Number of patients suffering from non-pulmonary tuberculosis	Adult M.	...	...	...	...	...
	Adult F.	...	...	...	...	...
	Children	3	1	2	...	2
	Total ...	3	1	2	...	2
Grand Total (a), (b) & (c)		26	69	68	...	27



Return showing the extent of residential treatment provided during the year in poor law institutions for persons chargeable to the Council.

			In institutions on Jan. 1	Admitted during the year	Discharged during the year	Died in the institutions	In institutions on Dec. 31
Number of patients suffering from pulmon- ary tuberculosis admit- ted for treatment	Adults	M	4	21	7	15	3
		F	1	13	7	3	4
		Ch.	1	5	1	3	2
Number of patients suffering from non-pul- monary tuberculosis ad- mitted for treatment	Adults	M	3	7	4	5	1
		F	4	4	6	...	2
		Ch.	1	5	4	...	2
Total			14	55	29	26	14

Return showing the results of observation of doubtfully tuberculous cases discharged during the year from Institutions approved for the treatment of tuberculosis.

Diagnosis on discharge from observation	For Pulmonary Tuberculosis						For Non-Pulmonary Tuberculosis						Totals		
	Stay under 4 weeks			Stay over 4 weeks			Stay under 4 weeks			Stay over 4 weeks					
	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
Tuberculous	1	..	4	..	..	1	..	..	..	..	..	..	1	..	5
Non-tuberculous	..	1	..	5	..	..	..	..	..	..	..	..	5	1	..
Doubtful	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	1	1	4	5	..	1	..	..	..	..	..	..	6	1	5

Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from institutions (other than Poor Law Institutions) approved for the treatment of tuberculosis.

## Pulmonary Tuberculosis

Classification on admission to the Institution	Condition at time of Discharge	Duration of Residential Treatment in the Institution												Grand Totals		
		Under 3 months but exceeding 28 days			3—6 months			6—12 months			Totals					
		M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch			
Class T.B. minus	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	1	...	1	...	...	2	...	...	1	...	3	4
		...	1	...	...	...	1	...	...	...	...	1	...	1	2	3
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group 1	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	3	1	...	...	...	...	...	...	3	1	4
		...	2	...	...	...	...	1	...	...	...	...	1	2	...	3
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group II	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	1	...	1	2	1	...	1	13	3	5
		4	3	...	10	7	...	...	3	...	1	...	16	...	...	29
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Group III	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	1	...	...	2	...	...	...	3	3	...	6
		2	...	...	1	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (pulmonary)	...	6	6	...	12	11	4	2	6	4	2	...	1	23	9	54

## Non-Pulmonary Tuberculosis

Bones and Joints	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	...	...	...	1	...	...	...	1
		...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	1	...	...	...	...	...	1	1
		...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
Other Organs	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
Peripheral Glands	Quiescent ... Not Quiescent ... Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (non-pulmonary)	...	...	...	...	...	...	1	...	...	1	...	...	2	2



PULMONARY TUBERCULOSIS.

Supplementary Annual Return showing in summary form (a) the condition at the end of 1937 of all patients remaining on the Dispensary Register, and (b) the reasons for the removal of all cases written off the Register.

Condition at the time of the last record made during the year to which the Return relates.		Previous to 1927.				1927				1928				1929				1930				1931				1932				1933				1934				1935				1936				1937																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus			Class T.B. minus	Class T.B. plus																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Group 1	Group 2	Group 3		Total (Class T.B. plus)	Group 1	Group 2		Group 3	Total (Class T.B. plus)	Group 1		Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3		Total (Class T.B. plus)	Group 1	Group 2		Group 3	Total (Class T.B. plus)	Group 1		Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3		Total (Class T.B. plus)	Group 1	Group 2	Group 3	Total (Class T.B. plus)	Group 1	Group 2	Group 3	Total (Class T.B. plus)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
(a) Remaining on Dispensary Register on 31st December.	Disease Arrested	Adults	M	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	1	..	..	1	1	1	..	..	1	3	1	1	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	











## TUBERCULOSIS.

## AVERAGE RESIDENCE AND COST OF

## (A)—SANATORIUM TREATMENT.

Name of Sanatorium	Form of Disease			Total days residence	Average residence per patient (days)	Total Cost		
	Pul-monary	Non-Pul-monary	For Obser-vation			£	s.	d.
Barrasford ... ..	21	...	6	2221	86	793	5	8
Stanhope ... ..	21	...	1	3159	144	789	15	0
Wolsingham ... ..	20	...	1	2463	117	615	15	0
Stannington ... ..	16	4	5	3430	171	1030	2	10
Totals ... ..	78	4	13	11273	...	3228	18	6

## (B)—SURGICAL TREATMENT.

Institution.	Form of Disease.		Total days residence	Average residence per patient (Days)	Total Cost.		
	Abdom-inal	Bones and Joints			£	s.	d.
Hartlepoons Hospital	2	10	1750	146	546	0	0

## (C) ARTIFICIAL PNEUMOTHORAX TREATMENT.

During the year ten patients who were attending at Newcastle-on-Tyne for artificial pneumothorax treatment were given 105 refills at a total cost of £220 10s. 0d.

## VENEREAL DISEASES.

The number of new cases during the past year increased by fully 30%. This bears out the statement in last year's report that the incidence of venereal diseases varies with industrial recovery or depression.

The fall in the defaulter rate continued, in the case of patients suffering from syphilis attaining the very low level of 6%. This figure is all the more remarkable in view of the fact that the clinic is situated in a highly undesirable place from the publicity point of view.

That such a clinic serves a valuable purpose can be seen from the amount of work done, and the increasing use made of it by patients ; for example, the number of microscopical examinations was more than doubled during the past year.

Further progress, however, is seriously hampered by the conditions in and around the present building. The rooms are dark and dirty and the accommodation is inadequate and out of date. The approach is far too public and too much overlooked by surrounding buildings.

Privacy is difficult if not impossible to obtain, and many of the local cases are known to travel to Stockton or other centres rather than face the publicity.

One can imagine the harm that is done before cases are driven by necessity to attend such a clinic.

# VENEREAL DISEASES.

## ATTENDANCES AT CORPORATION CLINIC.

	Syphilis		Soft Chancre		Gonorrh'a		Conditions other than venereal		TOTAL		Totals
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1. Number of cases on 1st Jan., under treatment or observation	33	20	...	..	18	15	...	..	51	35	86
2. Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection .. .. .	5	...	..	..	5	..	..	..	10	..	10
3. Number of cases dealt with for the first time during the year under report (exclusive of cases under Item 4) suffering from..											
Syphilis, primary .. ..	23	...	..	..	..	..	..	..	23	..	23
,, secondary .. ..	1	3	..	..	..	..	..	..	1	3	4
,, latent in 1st year of infection .. ..	...	1	..	..	..	..	..	..	..	1	1
,, all later stages .. ..	7	6	..	..	..	..	..	..	7	6	13
,, congenital .. ..	1	3	..	..	..	..	..	..	1	3	4
Soft Chancre .. ..	..	..	..	..	..	..	..	..	..	..	..
Gonorrhoea, 1st year of infection .. ..	..	..	..	..	97	9	..	..	97	9	106
Gonorrhoea, later .. ..	..	..	..	..	1	3	..	..	1	3	4
Conditions other than venereal .. ..	..	..	..	..	..	..	22	21	22	21	43
4. Number of cases dealt with for the first time during the year under report known to have received treatment at other Centres for the same infection	24	2	...	..	14	1	1	..	39	3	42
TOTALS OF ITEMS 1, 2, 3 & 4..	94	35	..	..	135	28	23	21	252	84	336
5. Number of cases discharged after completion of treatment and final tests of cure or after diagnosis as non-venereal ...	...	2	...	..	39	11	23	21	62	34	96
6. Number of cases which ceased to attend before completion of treatment and were, on first attendance, suffering from :—											
Syphilis, primary .. ..	1	..	..	..	..	..	..	..	1	...	1
,, secondary .. ..	...	..	..	..	..	..	..	..	..	...	..
,, latent in 1st year of infection .. ..	..	..	..	..	..	..	..	..	..	..	..
,, all later stages .. ..	3	7	..	..	..	..	..	..	3	7	10
,, congenital .. ..	...	4	..	..	..	..	..	..	..	4	4
Soft Chancre .. ..	..	..	..	..	..	..	..	..	..	..	...
Gonorrhoea, 1st year of infection .. ..	..	..	..	..	20	6	..	..	20	6	26
Gonorrhoea, later .. ..	..	..	..	..	...	..	..	..	..	...	...



# VENEREAL DISEASES.

## Attendances at Corporation Clinic.

	Syphilis		Soft Chancre		Gonorr- hoea.		Conditions other than Venereal		TOTAL		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total
7. Number of cases which ceased to attend after completion of treatment but before final tests of cure .. ..	1	1	..	..	..	3	..	..	1	4	5
8. Number of cases transferred to other centres or to institutions or to care of private practitioners .. ..	31	2	..	..	36	1	..	..	67	3	70
9. Number of cases remaining under treatment or observation on 31st December .. ..	58	19	..	..	40	7	..	..	98	26	124
TOTALS OF ITEMS 5, 6, 7 8 and 9..	94	35	..	..	135	28	23	21	252	84	336
10. Number of cases in the following stages of syphilis included in Item 6 which failed to complete one course of treatment :—											
Syphilis, primary.. ..	1	..	..	..	..	..	..	..	1	..	1
„ secondary .. ..	..	..	..	..	..	..	..	..	..	..	..
„ latent in 1st year of infection .. ..	..	..	..	..	..	..	..	..	..	..	..
„ all later stages .. ..	1	3	..	..	..	..	..	..	1	3	4
„ congenital .. ..	..	1	..	..	..	..	..	..	..	1	1
11. Number of attendances :—											
(a) for individual attention of the medical officers ..	1603	520	..	..	922	182	207	54	2732	756	3488
(b) for intermediate treatment, e.g., irrigation, dressing ..	456	..	..	..	2903	474	410	120	3769	594	4363
Total Attendances ..	2059	520	..	..	3825	656	617	174	6501	1350	7851
12. In-patients :—											
(a) Total number of persons admitted for treatment during the year .. ..	2	2	..	..	6	3	..	..	8	5	13
(b) Aggregate No. of “in-patient days” of treatment given..	106	102	..	..	87	329	..	..	193	431	624



# VENEREAL DISEASES.

	Under 1 year		1 and under 5 years		5 and under 15 years		15 years and over		Totals	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
13. Number of cases of congenital syphilis in item 3 above classified according to age periods..	..	..	..	...	...	3	1	..	1	3

	Arsenical		Mercury	Bismuth
	Approved Arsenobenzene Compounds	Others		
14. Names of chief preparations used in treatment of Syphilis ... ..	Novarsenobillon Kharsulphan	Acetylarsan Tryparsamide	Hyd c. Cret. Gr. 1	Bisantol. Bismuth Hypoloid.
(b) Total number of injections given (out-patients and in-patients).. ..	749	266	..	1582

	Microscopical		Cultural for Gonorrhoea	Serum		Cerebro-spinal fluid	Others for diagnosis of Venereal Disease
	for Syphilis	for Gonorrhoea		for Syphilis	for Gonorrhoea		
15. <b>Pathological Work :—</b>							
(a) Number of specimens examined at and by the medical officer of the treatment centre	..	883	...	...	...	..	..
(b) Number of specimens from patients attending at the centre sent for examination to an approved laboratory ..	...	.....	...	61	...	..	..

Statement showing the services rendered at the Treatment Centre during the year, classified according to the areas in which the patients resided.

Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings.	West Hartlepool	Durham County	Norway	Sweden	Italy	Finland	Russia	Denmark	Portugal	Latvia	Estonia	Greece	Spain	Germany	Leicester	TOTAL
A. Number of cases from each area included under the following headings in Item 3 :—																
Syphilis .. ..	26	8	1	2	1	1	..	1	..	..	..	4	1	...	..	45
Soft Chancre .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gonorrhoea .. ..	55	30	..	4	1	8	..	1	2	1	..	1	4	2	1	110
Conditions other than Venereal .. ..	27	5	4	..	..	..	1	..	..	..	3	3	..	..	..	43
Totals .. ..	108	43	5	6	2	9	1	2	2	1	3	8	5	2	1	198
B. Total number of attendances of all patients residing in each area .. ..	4616	3033	17	14	12	31	6	15	18	12	17	22	31	4	3	7731
C. Aggregate number of "In-patient days" of all patients residing in each area .. ..	599	11	..	9	..	..	..	..	..	..	..	..	...	5	..	624

## SANITARY CIRCUMSTANCES OF THE AREA.

## WATER SUPPLY.

Below is given the Public Analyst's Report on a sample of the water supply of the Borough, which shows that the sample is of good and wholesome quality.

				Parts per 100,000
Chlorine as Chlorides	...	...	...	11·6700
Nitrogen and Nitrates	...	...	...	·1158
Ammonia	...	...	...	·0038
Albuminoid Ammonia	...	...	...	·0021
Oxygen Absorption	...	...	...	·0360
Injurious Metals	...	...	...	None
Total solid matter dried at 100° C.	...	...	...	84·0000
Temporary Hardness	...	...	23·80	Degrees
Permanent Hardness	...	...	23·20	„
Colour of sample on Hazen Scale	...	...	2	
Appearance of sample in 2 foot tube	...	...	Not quite bright	
Odour when heated to 50° C.	...	...	None	

## MICROSCOPICAL EXAMINATION.

Very small deposit from  $\frac{1}{2}$  gallon consisting of earthy matter (chiefly crystals of Calcium Carbonate), and some vegetable debris.

## BACTERIOLOGICAL EXAMINATION.

Number of colonies on Nutrient Agar at 37° C. after 72 hours 6 per ml.  
 Number of colonies on Nutrient Agar at 20/22° C. after 72 hours 10 per ml.  
 Presumptive B.Coli Test at 37° C. after 72 hours Positive in 40 ml.

## OBSERVATIONS.

In my opinion this sample affords no evidence of pollution by sewage or other foul drainage, nor is there any indication of undesirable contamination derived from the surface.

The sample is of good and wholesome quality for human consumption.

## DRAINAGE AND SEWERAGE.

There is no essential difference to report in this service.



## ASHPITS ABOLISHED.

	Wards								TOTAL
	North	West	Park	SWest	S East	Cntral	NEast	Seat'n	
Ashpits abolished and circular pans provided ...	...	...	...	...	...	2	5	...	7

## SCAVENGING—DISPOSAL OF HOUSE REFUSE.

## REFUSE COLLECTED AND DISPOSED OF.

Year ended 31st Dec., 1937					Number of loads collected	
					Household refuse taken to Controlled Tip and Farms	Shop and Trade Refuse Incinerated at Destructor
January ...	...	...	...	...	1535	218
February ...	...	...	...	...	1458	227
March ...	...	...	...	...	1630	231
April ...	...	...	...	...	1736	247
May ...	...	...	...	...	1632	243
June ...	...	...	...	...	1608	291
July ...	...	...	...	...	1625	334
August ...	...	...	...	...	1557	313
September ...	...	...	...	...	1574	302
October ...	...	...	...	...	1592	267
November ...	...	...	...	...	1649	319
December ...	...	...	...	...	1817	374
					19413	3366

# PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS OR REGULATIONS.

					Number
Fried Fish Dealers	...	...	...	...	64
Marine Stores	...	...	...	...	5
Gut Scrapers	...	...	...	...	2
Tripe Boilers	...	...	...	...	3
Tallow Melters	...	...	...	...	5
Bone Boilers	...	...	...	...	1
(a) Common Lodging Houses	...	...	...	...	9
Registered Houses-let-in-Lodgings	...	...	...	...	30
Cowsheds and Retail Purveyors of Milk	...	...	...	...	86
Shops registered for sale of Bottled Milk	...	...	...	...	135
Store registered for sale of Artificial Cream	...	...	...	...	1
Slaughter Houses	...	...	...	...	1

(a) One Common Lodging House demolished September, 1937.

## COMMON LODGING HOUSES.

Situation	Registered No. of Lodgers	No. of Rooms
18 Rokeby Street ...	16	7
138 Burbank Street ...	29	9
3 Redworth Street ...	10	2
16 Mainsforth Terrace ...	35	19
2 Edward Street ...	15	4
29 George Street ...	9	3
26 George Street ...	11	4
15 Mainsforth Terrace ...	15	6
(a) 9 Bridge Street ...	22	6
Totals ...	162	60

(a) Premises demolished September, 1937.

## SHOPS ACT, 1934.

122 visits have been made by the Sanitary Inspectors under the Shops Act, 1934, mostly relating to sanitary conveniences. In the majority of cases, the difficulties have been overcome or suitable arrangements made.

## SANITARY INSPECTION OF THE DISTRICT.

Inspections were made as follows :—

3143	visits under the Public Health Acts.
3265	visits under the Housing Acts.
88	visits under the Merchandise Marks Acts.
260	visits to factories and workshops.
233	visits to dairies, cowsheds and milkshops.
122	visits under Shops Act.
158	visits to fish, fruit and meatshops.
579	visits to public abattoir.
145	visits to ice-cream shops.
120	visits to offensive trades.
61	visits to places of entertainments.
104	visits to common lodging houses.
8	visits to houses-let-in-lodgings.
95	visits to sheds and caravans.
292	visits to cases of infectious diseases.
22	visits to homes of mental defectives.
885	complaints attended to.
38	drains inspected.
59	drains tested.
253	visits re rats.
849	informal notices served.
87	statutory notices served.

Defects and nuisances discovered and dealt with are given below :—

Drains defective	...	...	...	...	...	...	12
Drains and Water Closets stopped	...	...	...	...	...	...	97
Dirty dwellings	...	...	...	...	...	...	13
Dirty workshop	...	...	...	...	...	...	1
Dirty stable	...	...	...	...	...	...	2
Defective yard pavements	...	...	...	...	...	...	56
Defective spouts and fallpipes	...	...	...	...	...	...	144
Defective roofs	...	...	...	...	...	...	162
Dirty bakehouses	...	...	...	...	...	...	19
Dirty dairy	...	...	...	...	...	...	1
Dirty ice-cream premises	...	...	...	...	...	...	2
Ashpits to be abolished	...	...	...	...	...	...	12
Defective privies	...	...	...	...	...	...	3
Defective water closets	...	...	...	...	...	...	98



Additional water closet required	...	...	...	...	7
Offensive accumulation of manure and refuse	...	...	...	...	6
Smoke nuisances	...	...	...	...	3
Animals improperly kept	...	...	...	...	3
Rat infestation	...	...	...	...	4
Offensive Trades	...	...	...	...	1
New dustbins required	...	...	...	...	130
Defective or absent ashcloset doors	...	...	...	...	22
Close well	...	...	...	...	1
Rainwater wells require cleaning	...	...	...	...	10
Defective rainwater pumps, wells, etc.	...	...	...	...	52
Defective water taps, pipes, etc.	...	...	...	...	36
No supply of pure water	...	...	...	...	8
Internal water supply and sink required	...	...	...	...	31
Other nuisances	...	...	...	...	759
					<hr/>
					1695

#### DISINFECTION.

Number of rooms sprayed and fumigated	...	...	542 (452 houses)
Tuberculosis	...	...	151
Fever	...	...	290
Vermin (other than Bed Bugs)	...	...	40
Institutions	...	...	6
Other	...	...	55
Number of articles disinfected by steam	...	...	2755
Beds, bed covers and mattresses	...	...	177
Pillows, pillow cases and bolsters	...	...	774
Sheets, blankets and quilts	...	...	970
Articles of clothing	...	...	666
Sundry articles	...	...	168
Number of articles destroyed with consent of owner	...	...	230

#### ERADICATION OF BED BUGS.

Infested houses are sprayed with "Zaldecide," the work being carried out by a man engaged by the Corporation for this work.

Where necessary, the belongings of tenants from Clearance Areas and condemned houses are sprayed before the tenants' removal to new premises.

During 1937, 63 houses were sprayed by the Department, and of these, 3 were Council houses.

## HOUSING.

The number of inhabited houses in the Borough at the end of 1937 was 18,150, with a population of 70,100. This gives a figure of 3.9 persons per house.

During 1937, 494 houses and 10 houses and shops were built by private enterprise. 62 houses were built by the Corporation during the year.

10 Clearance areas have been confirmed by the Ministry of Health during the year, affecting 227 houses. Up to the end of 1937, 663 persons from Clearance Areas had been rehoused.

## HOUSING.

### 1. INSPECTION OF DWELLING HOUSES DURING THE YEAR :—

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)...	...	1473
(b) Number of inspections made for the purpose ...	...	6408
(2) (a) Number of dwelling houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations 1925	...	624
(b) Number of inspections made for the purpose ...	...	3557
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation...		222
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	... ..	868

### 2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers ...	704
---	-----

## 3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936—				
(1) Number of dwelling houses in respect of which notices were served requiring repairs	...	...	...	Nil
(2) Number of dwelling houses which were rendered fit after service of formal notices :—				
(a) By owners	...	...	...	Nil
(b) By local authority in default of owners	...	...	...	Nil
B. Proceedings under Public Health Acts :—				
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	...	...	...	87
(2) Number of dwelling houses in which defects were remedied after service of formal notices :—				
(a) By owners	...	...	...	85
(b) By local authority in default of owners	...	...	...	2
C. Proceedings under sections 11 and 13 of the Housing Act, 1936 :—				
(1) Number of dwelling houses in respect of which Demolition Orders were made	...	...	...	1
(2) Number of dwelling houses demolished in pursuance of Demolition Orders	...	...	...	5
D. Proceedings under section 12 of the Housing Act, 1936 :—				
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	...	...	20
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	5

## 4. HOUSING ACT, 1936, PART IV, OVERCROWDING :—

(a) (i) Number of dwellings overcrowded at the end of the year	1473
(ii) Number of families dwelling therein	1755
(iii) Number of persons dwelling therein	9997
(b) Number of new cases of overcrowding reported during the year	
...	6
(c) (i) Number of cases of overcrowding relieved during the year	46
(ii) Number of persons concerned in such cases	323
(d) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	
...	—
(e) Only 16 cases of overcrowding were relieved during the year as the efforts of the Corporation were concentrated on Slum Clearance.	



## HOUSING ACTS.

## SUMMARY OF ACTION TAKEN TO END OF 1937.

## (a) CLEARANCE AREAS.

Date of Representation	No.	Clearance Area	No. of houses	Persons to be displaced	Remarks
4.10.34	1	Old Town	9	58	—
	2	do.	111	538	—
	3	do.	10	45	—
	4	do.	30	122	—
5.11.34	5	Stranton	3	16	Not confirmed, dealt with as individual houses.
7.2.35	6	Southbank Terrace and Lees Place	12	23	3 houses excluded.
4.4.35	7	Wood Street	34	190	—
2.7.36	8	Longhill	159	753	—
5.11.36	9	Back Frederick Street	3	13	—
	10	Wood Street	3	19	—
	11	Thorne Street	20	104	—
	12	Ainsley Street	4	15	1 house excluded
	13	Warwick Place	4	12	—
3.12.36	14	Andrew Place	10	34	—
	15	Throston Street	8	16	Representation cancelled property purchased by Corporation.
4.2.37	16	Catherine Street	11	53	—
	17	Catherine Street	8	16	—
4.3.37	18	Corners Court, Seaton	5	10	—
1.4.37	19	Thompson Street	5	14	Not confirmed, reconstruction scheme submitted by owner.
1.4.37	20	Burbank Street	5	29	—
3.12.36	21	Throston Street	2	6	Representation cancelled property purchased by Corporation.
7.10.37	22	Church Row	9	17	—
2.12.37	23	Redworth Street	28	184	—
		Total	493	2287	

## (b) INDIVIDUAL UNFIT HOUSES.

(i) No. of dwelling houses demolished after formal action	...	19
No. of dwelling houses demolished in anticipation of formal action	... ..	8
(ii) No. of parts of buildings closed after formal action	...	48
No. of houses closed, on undertakings given by the owners...		6
(iii) No. of persons displaced from houses in (i) and (ii) above	...	263
(iv) No. of dwelling houses made fit after formal action	...	112
No. of dwelling houses made fit after informal notice	...	206

## MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

No. of samples taken for examination				Source	Result	Action taken
For presence of tubercle bacilli	For bacterial count	For Methylene Blue Test	For Coli-form Test			
17	—	—	—	Local supply	15 negative 2 positive	Nil Local Veterinary surgeon notified.
29	—	—	—	Supply from outside borough	27 negative 2 positive	Nil Responsible authority notified.
—	16	—	—	Local supply	15 satisfactory 1 unsatisfactory	Nil Farmers' and dairymen's attention drawn to unfavourable report.
—	43	—	—	Supply from outside borough	29 satisfactory 14 unsatisfactory	Nil Farmers' and dairymen's attention drawn to unfavourable report.
—	—	3	—	Local supply	3 satisfactory	Nil
—	—	—	2	Local supply	2 satisfactory	Nil

## TUBERCULOSIS ORDER, 1925.

Two cows were slaughtered during the year, under the provisions of the Tuberculosis Order, 1925.

Value of Cow			Compensation paid			Salvage received after deduction of expenses		
£	s.	d.	£	s.	d.	£	s.	d.
16	0	0	12	0	0	1	4	10
9	0	0	2	5	0	18	2	

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

There is very little of note to remark on the prevalence of infectious diseases for the year 1937.

Scarlet Fever remained practically the same as last year but Diphtheria showed a welcome decrease.

Pulmonary Tuberculosis showed a slight increase, but there was a decrease in other forms of tuberculosis.

Pneumonia showed a perceptible increase.

No new methods of prevention were adopted during the year.

## ISOLATION HOSPITAL, 1937.

	No. in Hspl. on 1-1-37	Admit'd during 1937	Dischg'd during 1937	Died	In Hos- pital on 31-12-37
SCARLET FEVER ...	13	137*	134	1	13
Scarlet Fever & Diphtheria	1	—	3*	—	—
Scarlet Fever & Chicken pox	—	1	1	—	—
DIPHTHERIA ...	18	121*	117	11	10
Diphtheria & Scarlet Fever	—	2	2	—	—
OTHER DISEASES					
Erysipelas ...	2	5	6	—	1
German Measles ...	—	1	1	—	—
Mastoid ...	—	1	1	—	—
Tonsilitis ...	—	1	1	—	—
Meningitis ...	1	1	—	2	—
„ (Tubercular) ...	—	1	—	1	—
„ (observation) ...	—	1*	—	—	—
Influenza ...	—	—	1*	—	—
Puerperal Sepsis and Pyrexia ...	1	3*	3	—	—
Cystitis ...	—	—	1*	—	—
Pneumonia ...	—	4	2*	1	—
Dysentery ...	—	1	1	—	—
Typhoid Fever ...	—	1	—	—	1
„ (Para B.) ...	—	2	2	—	—
„ (observation) ...	1	4*	—	—	—
Pulmonary Tuberculosis ...	—	—	1*	—	—
Empyema ...	—	—	2*	—	—
Melancholia ...	—	—	1*	—	—
	37	287	283	16	25

\* See changes of diagnosis.



\* CHANGES OF DIAGNOSIS and diagnosis of observation cases :—

- 2 Scarlet Fever changed to Scarlet Fever and Diphtheria.
- 1 Diphtheria changed to Pneumonia.
- 1 Meningitis (obs.) diagnosed Influenza.
- 1 Puerperal Sepsis, changed to Cystitis.
- 1 Typhoid (obs.) diagnosed Pulmonary Tuberculosis.
- 2 Typhoid (obs.) diagnosed Empyema.
- 1 Tyhpoid (obs.) diagnosed Melancholia.
- 1 Typhoid (obs.) diagnosed Pneumonia (Influenzal).

PATIENT DAYS.

West Hartlepool cases	...	...	...	...	7294 days
Cases from other areas	...	...	...	...	1353 „
Total					8647 „

PATIENTS' AGES.

		Youngest	Oldest
Scarlet Fever	...	9 months	56 years
Diphtheria	... ..	1 year	40 years.
Typhoid	... ..	1 yr. 7 mths.	16½ years.
Pneumonia	... ..	3½ years	

DURATION OF STAY (excluding deaths).

		Shortest	Longest
Scarlet Fever	...	10 days	99 days
Diphtheria	... ..	8 days	138 days
Other diseases	...	5 days	52 days
		(Erysipelas)	(Typhoid)

DEATHS IN HOSPITAL.

DURATION OF STAY.

Disease	Less than 24 hours	1—2 days	2—7 days	1—4 weeks	Over 4 wks.	Total
Diphtheria ...	5	—	2 *1	2	2	11
Scarlet Fever ...	—	—	1 *1	—	—	1
Meningitis ...	—	—	1 *1	1	—	2
„ (Tubercular)	—	—	—	1	—	1
Pneumonia ...	1	—	—	—	—	1
Totals ...	6	—	4	4	2	16

\* 3 cases from outside areas.

## COMPLICATIONS :

## Scarlet Fever cases :

- 1 Myocarditis
- 2 Otorrhoea
- 2 Septic fingers

## Diphtheria cases :

- 2 Impetigo
- 1 Otorrhoea
- 5 Nasal paralysis
- 4 General paralysis
- 1 Septic spots.
- 1 Sores on face.

## SCARLET FEVER CASES.

105 cases were discharged after short period of treatment in the Isolation Hospital.

25 of these attended the Clinic.

3 of the above were also attended by their own doctors.

76 were attended by their own doctors.

4 cases removed from the district.

## COMPLICATIONS.

Complications occurred in 14 cases :—

Glands—	Enlarged glands	...	...	1
Ears—	Discharging ears	...	...	2
	Otorrhoea	...	...	1
	Mastoiditis (re-admitted to Isolation Hospital for operation)	...	...	1
Nose—	Adenoids removed	...	...	2
	Nasal discharge	...	...	2
Throat—	Tonsils removed	...	...	2
	Enlarged tonsils	...	...	1
Other complications—	Debility	...	...	3
	Bronchitis	...	...	2
	Slight cold	...	...	1

## VACCINATION STATISTICS.

Births registered	...	...	...	...	...	1356
Successfully vaccinated	...	...	...	...	...	723
Conscientious objectors	...	...	...	...	...	422
Died unvaccinated	...	...	...	...	...	63
Insusceptible	...	...	...	...	...	3
Postponed by medical certificate	...	...	...	...	...	25
Removed to other districts	...	...	...	...	...	17
Lost sight of	...	...	...	...	...	35
Still under notice	...	...	...	...	...	68

Percentage of unvaccinated children for the past 10 years :—

1928	17·8%
1929	20·7%
1930	21·4%
1931	23·3%
1932	39·4%
1933	43·7%
1934	43·6%
1935	43·3%
1936	44·3%
1937	46·68%

## CANCER.

The local authority has no special scheme for the investigation and special treatment of cancer cases. The majority are treated in the local voluntary hospitals, and special cases are referred from these institutions and from the poor law hospital to the cancer centre in Newcastle for treatment.

Particulars of deaths from Cancer are given in Appendices 8 and 9.



**APPENDIX 1.****BIRTHS.**

	West Hartle- pool	WARDS								Inward Transfers	Outward Transfers
		North	West	Park	S. West	S. East	Central	N. East	Seaton		
Estimated population	70,100	10,502	7,580	8,530	10,500	9,101	10,340	7,770	5,779	...	...
No. of births...	1,296	184	125	114	233	155	244	143	158	16	76
Birth Rates	18.48	17.5	16.5	13.3	22.2	17.0	23.5	18.4	27.3	...	...
Percentage of total births	...	14.2	9.6	8.8	18.0	12.0	18.8	11.0	12.2	+1.2	-5.8

**BIRTH RATES.**

YEAR	West Hartlepool		England & Wale Birth Rate
	No. of Births	Birth Rate	
1928	1,509	21.6	16.7
1929	1,455	20.9	16.3
1930	1,528	22.0	16.3
1931	1,422	20.7	15.8
1932	1,415	20.3	15.3
1933	1,298	18.3	14.4
1934	1,357	18.9	14.8
1935	1,447	20.2	14.7
1936	1,304	18.4	14.8
1937	1,296	18.4	14.9

**APPENDIX 2. NATURAL INCREASE OF POPULATION.**

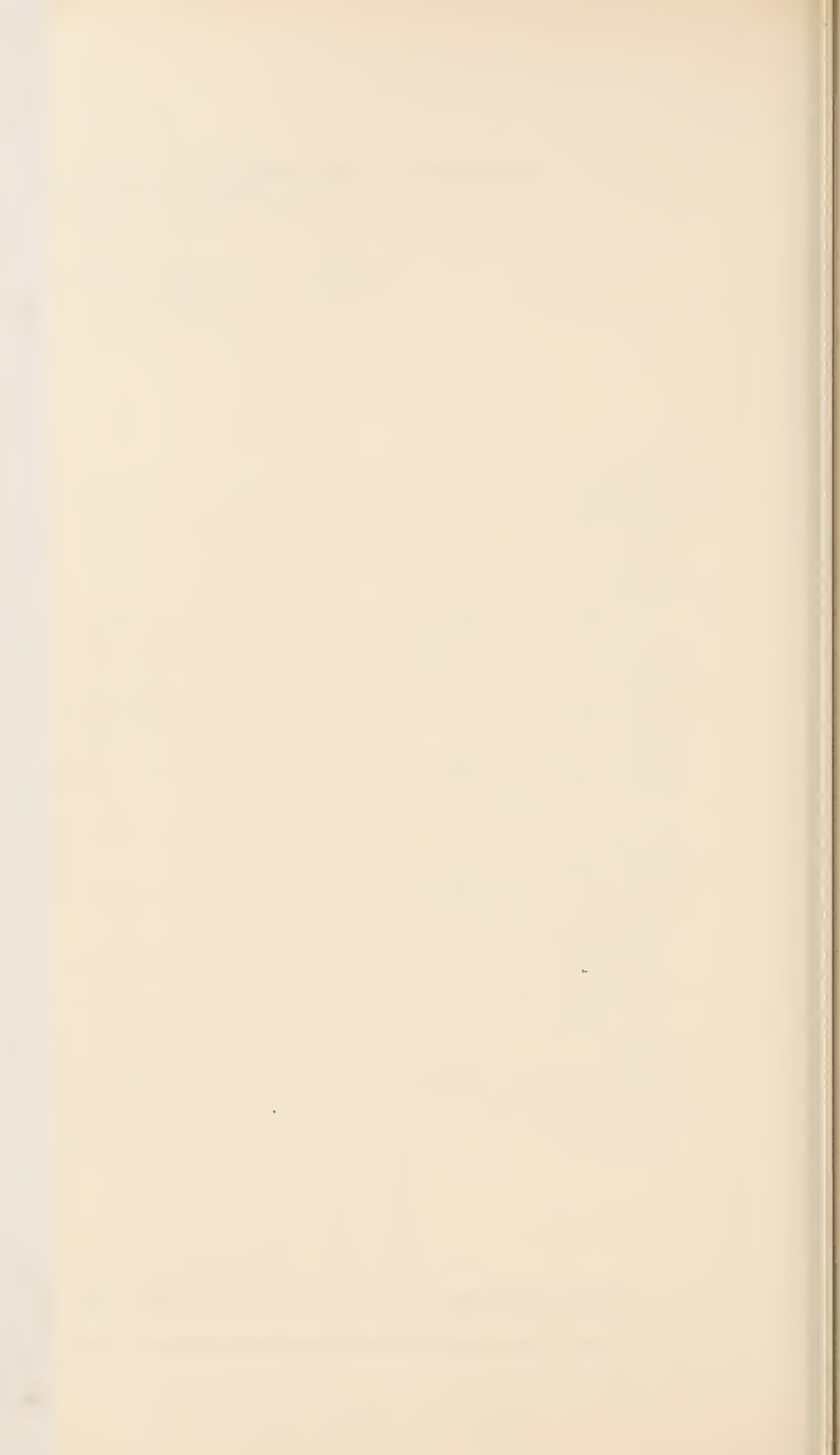
The natural increase of population was 372.

**RATES OF NATURAL INCREASE, PER 1,000 POPULATION.**

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
8.8	5.2	10.1	6.5	8.2	5.7	6.8	7.1	5.7	5.3

## APPENDIX 3—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARDS								Trans- ferable deaths	Total
	North	West	Park	So. West	So. East	Central	N. East	Seaton		
Scarlet Fever ... ..	...	...	1	...	...	...	...	...	...	1
Whooping Cough ... ..	1	1	...	...	2	3	...	1	...	8
Diphtheria ... ..	...	2	2	...	...	1	2	2	...	9
Influenza ... ..	3	6	3	3	4	4	...	7	1	31
Encephalitis Lethargica ...	2	...	...	...	...	...	1	...	...	3
Tuberculosis of respiratory system ... ..	9	6	4	5	10	6	5	7	2	54
Other tuberculous diseases	4	1	...	1	...	2	...	3	2	13
Cancer, malignant disease	15	5	11	13	7	20	13	15	4	103
Diabetes ... ..	2	3	1	2	2	2	...	5	1	18
Heart Disease ... ..	19	28	31	31	20	39	23	20	6	217
Bronchitis ... ..	...	5	2	4	4	10	7	9	...	41
Pneumonia (all forms) ...	10	6	2	9	14	13	6	2	2	64
Other respiratory diseases	1	2	1	2	2	...	...	1	1	10
Ulcer of stomach or duodenum ... ..	...	1	3	1	...	1	2	1	2	11
Diarrhoea, etc. ... ..	1	...	...	...	1	1	2	1	2	8
Appendicitis and typhlitis	...	...	...	...	...	...	...	...	1	1
Acute and chronic nephritis	3	1	3	...	1	2	2	4	4	20
Accidents and diseases of parturition and pregnancy ... ..	...	...	...	...	...	...	...	...	2	2
Congenital debility and malformation, including premature birth ... ..	2	1	3	8	7	7	8	2	1	39
Suicide ... ..	1	1	2	3	...	4	...	4	...	15
Other deaths from violence	3	8	5	4	8	2	2	2	5	39
Other defined diseases ...	28	25	21	35	20	34	12	18	16	209
Causes ill-defined or unknown... ..	1	1	1	2	2	...	...	1	...	8
<b>TOTAL DEATHS ...</b>	<b>105</b>	<b>103</b>	<b>96</b>	<b>123</b>	<b>104</b>	<b>151</b>	<b>85</b>	<b>105</b>	<b>52</b>	<b>924</b>





APPENDIX 4—TABLE SHEWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Deaths at the subjoined ages of "Residents" whether occurring within or without the Borough.										Total deaths whether of "Residents or Non-residents" in Institutions in the district	Increase or Decrease as compared with 1936.
	ALL AGES	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and under 75	75 and upwards.		
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	— 2
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	—10
Scarlet Fever ...	1	...	...	...	...	1	...	...	...	...	1	+ 1
Whooping Cough ...	8	2	4	1	1	...	...	...	...	...	...	+ 5
Diphtheria ...	9	...	1	6	2	...	...	...	...	...	9	—15
Influenza ...	31	...	...	...	...	...	9	13	4	5	4	+22
Encephalitis Lethargica	3	...	...	...	1	1	1	...	...	...	2	+ 3
Meningococcal meningitis	...	...	...	...	...	...	...	...	...	...	...	— 2
Tuberculosis of the respiratory system ...	54	...	1	1	1	8	23	17	3	...	20	— 1
Other tuberculous diseases ...	13	...	1	3	5	...	1	3	...	...	3	— 5
Cancer, malignant disease...	103	...	...	...	2	...	7	44	37	13	39	same
Syphilis ...	2	1	...	...	...	1	...	...	...	...	2	+ 1
Diabetes ...	18	...	...	1	...	...	2	7	6	2	6	+ 9
Cerebral haemorrhage, etc. ...	55	...	...	...	...	...	1	23	14	17	14	— 7
Heart disease ...	217	...	...	...	2	5	16	57	64	73	69	+23
Bronchitis ...	41	8	1	3	...	...	1	8	9	11	5	+10
Pneumonia (all forms) ...	64	13	12	1	1	1	13	15	5	3	21	same
Other respiratory diseases ...	10	...	...	...	...	...	1	8	...	1	...	— 3
Ulcer of stomach or duodenum ...	11	...	...	...	...	...	3	6	2	...	3	+ 2
Diarrhoea, etc. ...	8	3	...	...	3	...	1	...	...	1	1	same
Appendicitis and typhlitis ...	1	...	...	...	...	...	...	1	...	...	...	— 2
Cirrhosis of liver ...	1	...	...	...	...	...	...	1	...	...	...	+ 1
Acute and chronic nephritis ...	20	...	...	...	...	1	1	7	8	3	2	— 8
Puerperal sepsis...	...	...	...	...	...	...	...	...	...	...	...	— 2
Other accidents and diseases of parturition and pregnancy ...	2	...	...	...	...	...	2	...	...	...	...	+ 1
Congenital debility and malformation, including premature birth	39	39	...	...	...	...	...	...	...	...	9	+ 5
Suicide ...	15	...	...	...	...	...	7	7	...	1	...	+ 8
Other deaths from violence ...	39	2	1	1	2	3	9	8	7	6	7	+ 6
Other defined diseases ...	151	13	1	2	4	8	16	41	24	42	35	—20
Causes ill-defined or unknown ...	8	...	...	...	...	1	...	4	1	2	2	+ 1
<b>TOTAL DEATHS...</b>	<b>924</b>	<b>81</b>	<b>22</b>	<b>19</b>	<b>24</b>	<b>30</b>	<b>114</b>	<b>270</b>	<b>184</b>	<b>180</b>	<b>254</b>	<b>+21</b>





## APPENDIX 5.

## WEEKLY RETURN OF DEATHS FROM CHEST DISEASES.

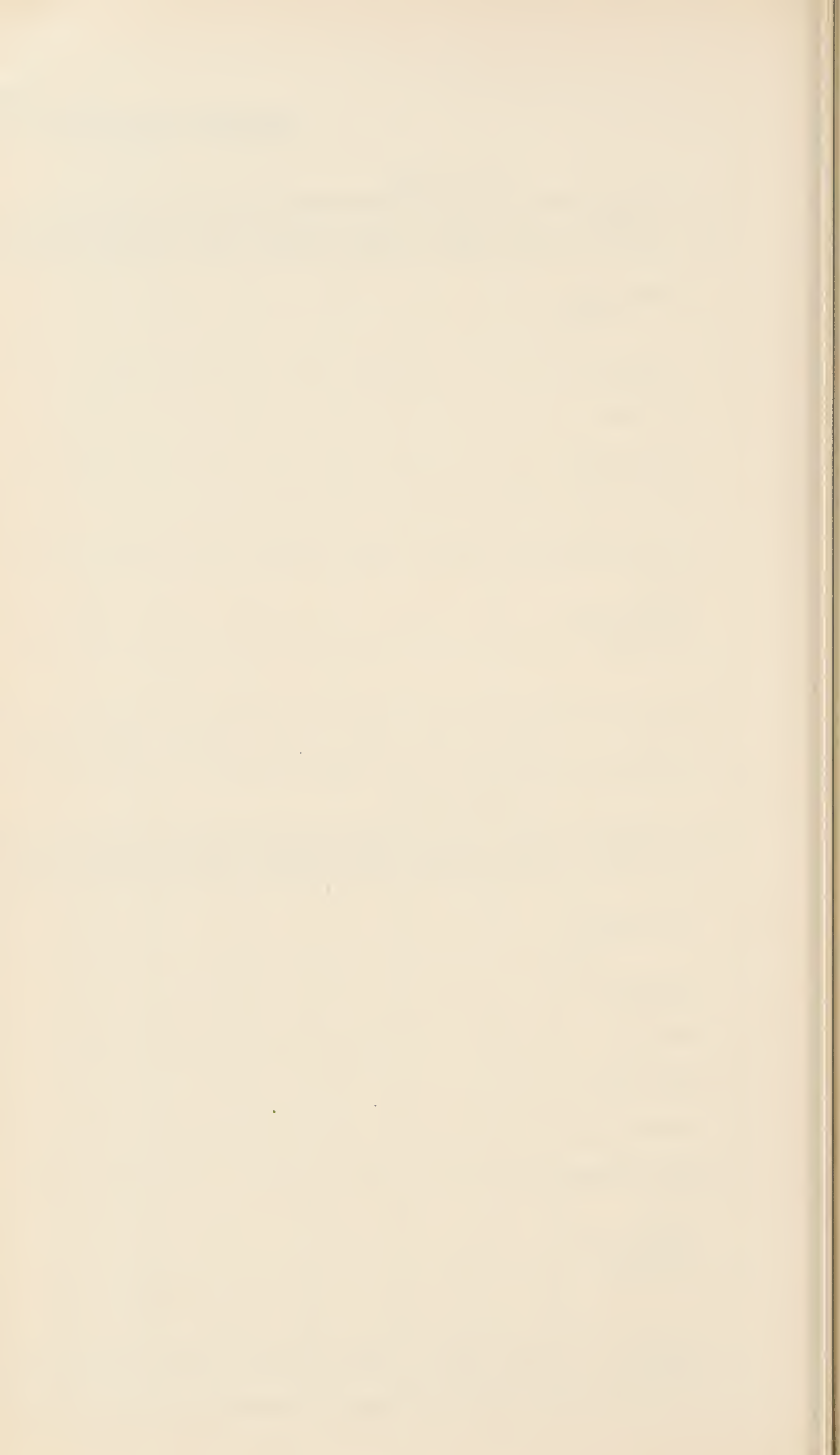
Week ending :

Disease	2nd Jan.	9th Jan.	16th Jan.	23rd Jan.	30th Jan.	6th Feb.	13th Feb.	20th Feb.	27th Feb.	6th Mar.	13th Mar.	20th Mar.	27th Mar.	3rd Apl.	10th Apl.	17th Apl.	24th Apl.	1st May	8th May	15th May	22nd May	29th May	5th June	12th June	19th June	26th June	3rd July
Whooping Cough	...	...	1	1	...	1	...	...	...	...	1	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Influenza	...	...	1	1	4	5	1	...	3	1	1	1	1	...	1	2	1	1	...	1	...	...	...	...	...	...	...
Phthisis	...	1	1	2	1	...	...	1	2	1	1	...	...	2	4	...	2	1	3	...	1	1	1	1	2	1	...
Bronchitis	...	...	2	1	1	...	1	2	4	3	1	2	2	2	...	...	1	1	1	...	1	...	1	1	...	...	...
Pneumonia	...	1	2	...	3	...	2	4	...	3	1	3	...	...	3	1	2	2	2	1	...	1	1	...	1	1	2
Heart Disease	2	3	7	4	6	3	2	9	5	4	6	4	5	4	7	2	5	6	4	3	3	2	6	4	2	4	4
Other Respiratory Diseases	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	1	...	...	1	1	...	...	...
Totals	2	5	14	9	15	9	6	16	14	12	11	10	12	8	15	6	12	11	11	6	5	4	10	7	5	6	6

Week ending :

Disease	10th July	17th July	24th July	31st July	7th Aug.	14th Aug.	21st Aug.	28th Aug.	4th Sept.	11th Sept.	18th Sept.	25th Sept.	2nd Oct.	9th Oct.	16th Oct.	23rd Oct.	30th Oct.	6th Nov.	13th Nov.	20th Nov.	27th Nov.	4th Dec.	11th Dec.	18th Dec.	25th Dec.	31st Dec.	Total
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Influenza	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	3	...	...	31
Phthisis	...	...	...	2	...	1	2	3	...	1	1	2	...	2	1	2	...	1	1	1	1	1	1	...	1	1	54
Bronchitis	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	1	...	...	1	1	...	1	2	...	3	2	41
Pneumonia	...	...	...	...	1	1	1	...	...	2	...	1	...	...	3	1	1	1	3	1	2	3	1	2	3	1	64
Heart Disease	6	5	1	2	2	5	...	1	3	3	3	2	3	3	4	5	7	4	5	8	3	5	2	3	8	8	217
Other Respiratory Diseases	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	10
Totals	6	6	1	4	3	8	7	5	3	6	4	5	3	5	8	10	8	6	10	11	7	10	7	8	15	12	425





**APPENDIX 6.—DEATHS.**

	West Hartle- pool.	WARDS								Transferable deaths.
		North	est	Park	S. West	S. East	Central	N. East	Seaton	
Estimated population	70,100	10,502	7,580	8,530	10,500	9,101	10,340	7,770	5,779	...
No. of deaths	924	105	103	96	123	104	151	85	105	52
Crude Death rates	13·18	10·0	13·6	11·2	11·7	11·4	14·6	10·9	18·2	...
Percentage of total deaths	...	11·4%	11·1%	10·4%	13·3%	11·2%	16·4%	9·2%	11·4%	5·6%

**DEATH RATES.**

Year	West Hartlepool		England & Wales Death rate
	No. of Deaths	Death rate	
1928	893	12·7	11·7
1929	1,089	15·6	13·4
1930	824	11·8	11·4
1931	973	14·2	12·3
1932	844	12·0	12·0
1933	892	12·6	12·0
1934	873	12·2	11·8
1935	933	13·0	11·7
1936	903	12·7	12·1
1937	924	13·1	12·4

**APPENDIX 7.—TRANSFERABLE DEATHS.**

INSTITUTION.						MALES	FEMALES	TOTAL
Hartlepoons Hospital, Hartlepool	...	...				8	10	18
York City Mental Hospital, Fulford	...	...				...	2	2
Royal Victoria Infirmary, Newcastle-on-Tyne	...	...				2	3	5
County Mental Hospital, Morpeth	...	...				1	1	2
Other areas	...	...	...	...	...	8	17	25
Totals						19	33	52

**APPENDIX 8.****CANCER DEATHS.**

Year	No. of deaths	Males	Females	Death rate	Deaths from all causes	Percentage of total deaths
1928	92	45	47	1.3	893	10.3
1929	104	48	56	1.48	1,089	9.5
1930	95	39	56	1.3	824	11.5
1931	88	41	47	1.28	973	9.1
1932	102	62	40	1.46	844	12.1
1933	97	51	46	1.38	892	10.8
1934	119	62	57	1.66	873	13.6
1935	107	61	44	1.49	933	11.7
1936	103	66	37	1.45	903	11.4
1937	103	51	52	1.47	924	11.1

**APPENDIX 9.****CANCER DEATHS—PARTS OF BODY AFFECTED.**

Parts affected	Age Sex	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		Over 75		Total	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum	...	1	1	1	1	...	1	5	2	4	7	...	2	11	14
Stomach, Liver, etc.	...	...	...	1	1	6	2	7	8	10	7	1	3	25	21
Reproductive Organs	...	...	1	...	2	...	...	...	3	...	2	...	1	...	9
Breast ...	...	...	...	...	...	1	1	1	2	1	...	...	...	3	3
Other Glands ...	...	...	...	...	...	...	...	...	1	1	1	3	...	4	2
Mouth ...	...	...	...	...	...	...	...	1	...	...	...	2	1	3	1
Bones ...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	1
Other Parts ...	...	...	...	...	...	...	...	2	...	2	1	...	...	4	1
Totals ...	...	1	2	2	4	7	4	17	16	18	19	6	7	51	52



The deaths were ascribed to :—

			No. of deaths.
Carcinoma	...	...	75
Sarcoma	...	...	5
Epithelioma	...	...	3
Cancer (no classification)			20
			<hr/>
Total	...		103
			<hr/>

#### APPENDIX 10.—INFANTILE MORTALITY RATES.

Year	West Hartlepool			England & Wales Rate
	Births	Deaths	Rate	
1928	1,509	109	71	65
1929	1,455	166	114	74
1930	1,528	83	54	60
1931	1,422	136	96	66
1932	1,415	126	89	65
1933	1,298	99	76	64
1934	1,357	92	67	59
1935	1,447	127	87	57
1936	1,304	70	53	59
1937	1,296	81	62	58

**APPENDIX 11.**—INFANT MORTALITY IN THE WARDS.

DISEASE.			North	West	Park	S. West	S. East	Central	N. East	Seat'n	Trans- ferable deaths	Total
Whooping Cough ...	...	...	1	...	...	...	...	1	...	...	...	2
Bronchitis ...	...	...	...	1	...	...	1	2	3	1	...	8
Pneumonia ...	...	...	2	...	1	4	2	3	1	...	...	13
Debility ...	...	...	...	1	1	3	2	1	3	1	...	12
Marasmus ...	...	...	...	...	...	1	...	2	2	...	...	5
Premature Births ...	...	...	1	...	2	3	4	4	3	1	1	19
Convulsions ...	...	...	...	...	...	1	...	...	...	...	...	1
Diarrhoea and Enteritis ...	...	...	...	...	...	...	1	1	1	...	...	3
All other causes ...	...	...	2	3	2	2	3	4	...	1	1	18
Total ...	...	...	6	5	6	14	13	18	13	4	2	81

**APPENDIX 12.****MARRIAGES.**

Year		Number of marriages		Marriage rate
1928	...	562	...	16·1
1929	...	644	...	18·6
1930	...	639	...	18·5
1931	...	573	...	16·8
1932	...	659	...	18·8
1933	...	673	...	19·0
1934	...	701	...	19·3
1935	...	638	...	17·8
1936	...	649	...	18·3
1937	...	644	...	18·3

# APPENDIX 13.—INFANT MORTALITY DURING THE YEAR.

Deaths from stated causes at various ages under 1 year of age.

CAUSE OF DEATH	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total deaths under 1 year
Whooping Cough	...	...	...	...	...	...	2	...	...	2
Bronchitis	...	...	1	...	1	3	2	1	1	8
Pneumonia	...	...	...	...	...	...	6	6	1	13
Diarrhoea	...	...	...	...	...	1	...	1	1	3
Premature Birth	13	4	2	...	19	2	...	...	...	19
Marasmus	2	1	...	...	3	2	...	...	...	5
Convulsions	1	...	...	...	1	...	...	...	...	1
Debility	6	2	1	1	10	2	...	...	...	12
All other Causes	10	1	1	...	12	1	3	2	...	18
Totals	32	8	5	1	46	9	13	10	3	81
(Certified	31	8	4	1	44	8	13	10	3	78
All Causes { Uncertified	1	...	1	...	2	1	...	...	...	3



**APPENDIX 14.**

MIDWIVES ACT, 1902, SEC. 8 (5).  
MIDWIVES ON ROLL, 1937.

No. on Midwives Roll.	Date of Certificate	Name	Address
<b>MUNICIPAL MIDWIVES :—</b>			
56187	11th February, 1922	Isabella Batey	24 Bright Street
93510	14th August, 1935	Eva Booth	93 Oxford Road
39605	21st February, 1914	Mary Gertrude Craven	13 Kendal Road
90631	11th August, 1934	Kathleen F. M. Gallimore	103 Westbourne Rd.
72784	25th February, 1928	Harriet Elizabeth Hutchinson,	78 South Pde.
67863	12th December, 1925	Olwen Kay	247 York Road
63984	9th August, 1924	Esther King	42 Tower Street
69658	14th August, 1926	Catherine Foley Montgomerie	41 Collingwood Road
70171	16th December, 1926	Miriam Peart	191 Alma Street
67935	12th December, 1925	Bessie Phillips	19 Elwick Road
74766	24th November, 1928	Winifred Pickering	56 Sydenham Road
73652	25th May, 1928	Sarah Walker	15 Milton Road
<b>MIDWIVES IN PRIVATE PRACTICE :—</b>			
42359	21st June, 1915	Annie Florence Bulmer	66 Ashgrove Avenue
46066	11th August, 1917	Helen Maude Granger	10 Windermere Road
63519	14th June, 1924	*Mary Ann Mitchell	26 Chatham Road
74779	24th November, 1928	Alice Annie Myers	8 Marston Gardens
77357	7th November, 1929	Ellen Varcare	37 Clifton Avenue
58166	9th August, 1922	Gladys Maud Wilkinson	72 Wansbeck Gdns.
<b>MIDWIVES IN INSTITUTIONS :—</b>			
95845	23rd May, 1936	Edna Bell	Grantully Maternity Home
78730	16th August, 1930	Martha Brownlee	Grantully Maternity Home
63269	14th June, 1924	Elsie Margaret Chapman	Grantully Maternity Home
89686	26th May, 1934	Eva Chapman	Howbeck Infirmary
46773	9th February, 1918	Martha J. S. Crone	Howbeck Infirmary
99021	13th May, 1937	Matilda Alice Clark	Howbeck Infirmary
47976	9th November, 1918	Emily Elstob	Grantully Maternity Home
84500	13th August, 1932	Hilda Green	Grantully Maternity Home
39053	1st November, 1913	Margaret Jane Leng	Howbeck Infirmary
100166	14th August, 1937	Dorothy Marshall	Howbeck Infirmary
83251	27th February, 1932	Ethel Mary Nash	Howbeck Infirmary
12396	5th June, 1936	Henrietta Readman	
(Scotland)			Grantully Maternity Home
94843	23rd November, 1935	Isabel Scott	Grantully Maternity Home
101228	20th November, 1937	Ann Dobson Strong	Howbeck Infirmary
5581	31st July, 1923	Jessie Wight	Grantully Maternity Home
(Scotland)			
77429	6th January, 1930		
(England)			

\* Practising Certificate surrendered 31.12.37.

## PUBLIC ABATTOIR.

## Animals Slaughtered at Abattoir.

YEAR	BEASTS	SHEEP	CALVES	PIGS	TOTAL
1928	3518	11028	452	7636	22,634
1929	3670	9919	481	7089	21,159
1930	3719	9925	425	5520	19,589
1931	3463	9454	318	6469	19,704
1932	3609	12352	297	9324	25,582
1933	4465	14219	419	9458	28,561
1934	4581	13556	728	8772	27,637
1935	4839	11429	1056	9231	26,555
1936	5538	11135	1187	9769	27,629
1937	5157	8555	736	9510	23,958

Year	Total Cattle slaughtered (including calves)	Number affected with tuberculosis	Percentage affected	Total number of Pigs slaughtered	Number affected with tuberculosis	Percentage affected
1928 ...	3970	73	1·84	7636	56	0·73
1929 ...	4151	89	2·14	7089	23	0·32
1930 ...	4144	103	2·48	5520	13	0·24
1931 ...	3781	95	2·51	6469	7	0·10
1932 ...	3906	97	2·48	9324	25	0·27
1933 ...	4884	119	2·43	9458	93	0·87
1934 ...	5319	203	3·82	8772	103	1·17
1935 ...	5895	151	2·56	9231	54	0·58
1936 ...	6725	128	1·91	9768	70	0·69
1937 ...	5157	122	2·36	9510	51	0·53

## CARCASSES INSPECTED AND CONDEMNED.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	5157		736	8555	9510
Number inspected ...	5157		736	8555	9510
All diseases except tuberculosis. Whole carcasses condemned ...	2	—	4	15	2
Carcases of which some part or organ was condemned ...	173	169	1	117	197
Percentage of the inspected affected with disease other than tuberculosis	6·67		·68	1·54	2·09
Tuberculosis only. Whole carcasses condemned	3	20	—	—	7
Carcases of which some part or organ was condemned ...	27	72	—	—	44
Percentage of the number inspected affected with tuberculosis ...	2·36		—	—	·53

**APPENDIX 16.**

## FOOD SURRENDERED AND DESTROYED.

90 lbs. of Frozen Beef.

16 tins (90 lbs.) of Tongue.

1 tin (6 lbs.) of Jellied Veal.

3 Chickens.

1 Salmon.

636 tins of fruit, meat, milk, soup, peas, beans, fish and  
tomatoes.



Article Purchased					Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulter- ated.	No. of Sample	Nature of Adulteration				Remarks and Action Taken	
Milk	...	...	...	...	87	33	54	73	14	215	Below standard in fat	...	...	...	Formal sample taken (genuine). Futher sample taken (genuine) Formal sample taken (No. 236). Proceedings instituted against re- tailer. Case dismissed, the retailer not having had any previous un- satisfactory report in connection with his milk. 'Course of delivery' sample taken (No. 238). 'Appeal to cow' sample taken (No. 239). Producer cautioned. Vendor cautioned Vendor cautioned Vendor cautioned. 'Course of delivery' sample taken. (No. 284) Vendor cautioned No action taken No action taken Formal samples taken (Nos. 356 and 357).	
										216	Below standard in fat	...	...	...		
										221	Below standard in fat	...	...	...		
										236	Below standard in fat	...	...	...		
										229	Below standard in fat	...	...	...		
										230	Below standard in fat	...	...	...		
										238	Below standard in fat	...	...	...		
										269	Below standard in fat	...	...	...		
										271	Below standard in non-fatty solids	...	...	...		
										272	Slightly below standard in fat, and below standard in non-fatty solids.	...	...	...		
										274	Below standard in fat	...	...	...		
										310	Below standard in fat.	...	...	...		
										340	Below standard in fat	...	...	...		
										342	Below standard in fat	...	...	...		
Butter	...	...	...	...	6	...	6	6	...	...	...	...	...	...	...	...
Lard	...	...	...	...	3	...	3	3	...	...	...	...	...	...	...	...
Margarine	...	...	...	...	3	...	3	3	...	...	...	...	...	...	...	...
Lardex	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Coffee	...	...	...	...	3	...	3	3	...	...	...	...	...	...	...	...
Tea	...	...	...	...	4	...	4	4	...	...	...	...	...	...	...	...
Sugar	...	...	...	...	2	...	2	2	...	...	...	...	...	...	...	...
Icing Sugar	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Cocoa	...	...	...	...	2	...	2	2	...	...	...	...	...	...	...	...
Flour	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Bread Meal	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Oatmeal	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Bread	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Mincemeat	...	...	...	...	2	...	2	2	...	...	...	...	...	...	...	...
Fruit Mince	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Jam	...	...	...	...	3	...	3	3	...	...	...	...	...	...	...	...
Ground Almonds	...	...	...	...	2	...	2	2	...	...	...	...	...	...	...	...
Baking Powder	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Tapioca	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Cream of Tartar	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Paregoric	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Honey	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Rice	...	...	...	...	1	...	1	1	...	...	...	...	...	...	...	...
Vinegar	...	...	...	...	2	...	2	2	...	...	...	...				



## NOTIFIED CASES OF INFECTIOUS DISEASES, 1916—1937.

Disease	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Smallpox	...	...	...	...	...	...	...	...	...	35	11	4	1	...	...	...	...	...	...	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	252 <sup>a</sup>	117 <sup>b</sup>	394	674	339	78 <sup>d</sup>	...	...	...	...	...	...	...
Scarlet Fever	61	32	117	506	213	142	96	167	327	254	242	138	136	95	130	164	91	189	467	375	177	180
Diphtheria (including Membranous Croup)	37	25	32	31	55	39	20	37	43	41	52	97	108	140	160	48	21	73	100	203	248	114
Erysipelas	18	23	31	30	23	19	20	18	27	27	26	19	31	31	42	28	20	28	49	35	37	36
Enteric Fever	9	1	7	4	5	8	3	5	8	2	...	4	1	39	25	17	2	29	4	9	3	2
Puerperal Fever	4	4	4	7	8	6	10	9	5	5	3	3	4	4	1	1	2	3	2	15	1	1 <sup>e</sup>
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	11	17	19	10	11	7	12	9	8	12	8	17 <sup>f</sup>
Cerebro-Spinal Meningitis	6	3	3	7	2	1	...	...	...	1	...	...	...	...	...	2	11	10	4	1	2	...
Poliomyelitis	...	...	...	2	1	...	2	3	...	...	...	...	1	2	...	...	1	2	...	...	...	...
Pulmonary Tuberculosis	104	134	175	118	91	130	104	100	82	89	104	113	99	81	105	100	83	84	74	76	104	111
Other Forms of Tuberculosis	103	117	87	51	77	64	65	64	47	70	97	68	83	81	73	67	88	61	50	49	50	38
Ophthalmia Neonatorum	42	35	41	49	62	28	39	24	19	14	22	11	22	17	10	14	15	7	16	19	27	31
Measles	39	1694	1835	308	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	2	...	...	...	...	5	1	2	2	1	3	2	1	2	1	1	...	...	1
Polioencephalitis	...	...	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery	...	...	...	3	2	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Malaria	...	...	...	45	3	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...
Pneumonia	...	...	...	117	156	115	133	110	257	219	88	319	268	302	181	218	155	137	131	126	133	153
Acute Encephalitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...
Totals ...	423	2068	2332	1282	701	552	492	538	820	1005	775	1189	1450	1145	818	668	504	635	907	920	790	684

<sup>a</sup>—Notifiable for 6 months of year.<sup>b</sup>—Notifiable from 29/9/26.<sup>c</sup>—No longer notifiable.<sup>d</sup>—Notifiable for 3 months of year<sup>e</sup>—Notifiable to 2/10/37.<sup>f</sup>—Including from 3/10/37 onwards cases previously notifiable as Puerperal Pyrexia.



# **APPENDIX 19.—NOTIFIABLE DISEASES DURING THE YEAR.** **HOSPITAL TREATMENT.**

DISEASE.						Total cases notified	No. of such cases treated in Hospital.	Total deaths.
Scarlet Fever	...	...	...	...	...	180	113	1
Diphtheria	...	...	...	...	...	114	107	9
Enteric Fever	...	...	...	...	...	2	2	...
Puerperal Fever	...	...	...	...	...	1	1	...
Puerperal Pyrexia	...	...	...	...	...	17	2	1
Ophthalmia Neonatorum	...	...	...	...	...	31	14	2
Pneumonia	...	...	...	...	...	153	24	64
Erysipelas	...	...	...	...	...	36	14	..
Encephalitis Lethargica	...	...	...	...	...	1	1	1

Disease	HOSPITAL					Total
	Isolation Hospital	Howbeck Infirmary	Grantully Maternity Home	Cameron Hospital	H'pools Hospital	
Scarlet Fever ...	112	4(a)	—	9(b)	—	113
Diphtheria ...	107	—	—	—	—	107
Enteric Fever ...	2	—	—	—	—	2
Puerperal Fever ...	1	—	1(c)	—	—	1
Puerperal Pyrexia	—	2	—	—	—	2
Ophthalmia						
Neonatorum ...	—	13	1	—	—	14
Pneumonia ...	1	14	—	8	1	24
Erysipelas ...	4	10	—	1(d)	—	14
Encephalitis						
Lethargica ...	—	1	—	—	—	1

Disease	Cases			Vision un-impaired	Vision impaired	Total blindness	Deaths
	Notified	Treated					
		At home	Hospital				
Ophthalmia Neonatorum	31	15	14	29	...	...	2

(a) Four cases transferred from Howbeck Infirmary to Isolation Hospital.

(b) Eight cases transferred from Cameron Hospital to Isolation Hospital, and one case transferred from Cameron Hospital to patient's home.

(c) One case transferred from Grantully Maternity Home to Isolation Hospital.

(d) One case transferred from Cameron Hospital to Isolation Hospital.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES—NOTIFIED CASES, 1937.

DISEASE.	Cases notified in whole district.													No. of cases treated in hospital	Total deaths in the Borough								
	At All ages	At age groups—years.																					
		Un-der 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and up										
Scarlet Fever	180	1	3	6	13	9	80	41	8	16	1	2	...	38	24	32	24	14	8	9	31	113	1
Diphtheria ...	114	...	5	3	13	13	39	27	7	6	1	...	...	14	8	16	16	16	14	7	23	107	9
Enteric Fever	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2	...
Puerperal Fever	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...
Puerperal Pyrexia	17	...	...	...	...	...	...	...	...	11	6	...	...	...	...	...	2	...	...	...	...	2	...
Ophthalmia Neonatorum	31	...	...	...	...	...	...	...	...	...	...	...	...	15	2	...	...	2	4	1	...	2	1
Pneumonia	153	11	13	8	7	6	16	9	5	17	15	33	13	20	7	12	26	42	14	8	24	24	64
Erysipelas ...	36	...	1	1	...	...	2	1	1	4	5	16	5	10	4	1	2	7	6	4	2	14	...
Encephalitis Lethargica	1	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...
Pulmonary Tuberculosis	111	...	1	...	...	1	4	12	10	36	21	26	...	19	17	8	12	19	20	8	...	...	54
Non-pulmonary Tuberculosis	38	...	2	2	3	3	15	4	1	5	2	...	1	5	2	4	6	4	8	4	5	...	13
Totals ...	684	43	25	20	36	32	158	94	33	95	52	77	19	125	65	80	89	107	76	45	97	278	145

# APPENDIX 21.

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## ALL NOTIFIED CASES OF TUBERCULOSIS, 1937.

AGE	Lungs			Abdomen			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Under 1 year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 and under 2	1	...	1	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
2—3	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
3—4	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
4—5	...	...	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	2	3
5—10	2	1	3	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	3	4
10—15	6	2	8	...	...	...	...	3	1	2	1	3	2	...	...	4	...	...	...	...	...	7	12	19
15—20	6	6	12	...	...	...	1	...	1	1	1	1	1	...	...	...	...	...	...	...	...	9	7	16
20—25	4	4	8	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	6	5	11
25—35	15	5	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	6	10
35—45	11	12	23	...	...	...	...	...	...	1	1	...	2	...	...	1	...	...	...	...	...	15	16	31
45—55	18	10	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	11	11	22
55—65	2	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	5	24
Over 65	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	1	3
Totals	65	46	111	4	2	6	2	6	8	4	4	8	2	5	7	3	5	8	...	1	1	80	69	149



**APPENDIX 22.****TUBERCULOSIS—New Cases and Mortality during 1937.**

AGE PERIODS		NEW CASES				DEATHS *			
		Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
		M	F	M	F	M	F	M	F
0		...	...	...	...	...	...	...	...
1 year		1	1	5	5	1	1	1	3
5 years	...	2	2	5	10	...	...	1	3
10 „	...	6	6	3	1	...	1	1	...
15 „	...	6	4	...	1	1	2	...	...
20 „	...	4	5	...	1	1	4	...	...
25 „	...	15	12	...	4	5	6	1	...
35 „	...	11	10	...	1	8	4	...	...
45 „	...	18	5	1	...	10	3	1	...
55 „	...	2	1	...	...	3	1	2	...
65 „ and upwards	...	...	...	1	...	2	1	...	...
Totals	...	65	46	15	23	31	23	7	6

\* See Appendix No. 24 as to interval between notification and death.

**APPENDIX 23.****TUBERCULOSIS—Number of cases on the Register on the 31st Dec., 1937.**

PULMONARY.			NON-PULMONARY.			TOTAL CASES
Males	Females	Total	Males	Females	Total	
151	140	291	112	120	232	523

**APPENDIX 24.****DEATHS FROM TUBERCULOSIS.**

Interval between Notification and Death.

Period	PARTS AFFECTED					TOTAL
	Lungs	Bones	Meninges	Abdominal	General	
Not notified ...	5	...	...	2	...	7
0—1 week ...	6	...	5	...	...	11
1—4 weeks ...	5	...	1	...	1	7
1—3 months ...	8	...	...	...	...	8
3—6 months ...	5	...	...	...	...	5
6—12 months ...	5	...	...	...	...	5
1—2 years ...	5	...	...	...	...	5
2—5 years ...	8	1	...	2	...	11
Over 5 years ...	7	...	...	1	...	8
Totals ...	54	1	6	5	1	67

The ratio of non-notified to notified tuberculosis deaths was 7 to 60. In each case the doctor in question was communicated with, and opportunity given for any explanation as to why the case was not notified. In the majority of the cases satisfactory information was received.

# APPENDIX 25.

## BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING 1937.

	Rate per 1,000 total population		Annual Death Rate per 1,000 Population.									Rate per 1,000 Live Births		Percentage of Total Deaths.			
	Live Births	Still-Births	All Causes	Enteric Fever	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhoea and Enteritis (under 2 years)	Total Deaths under 1 year.	certified by Registered Medical Practitioners	Inquest Cases	Certified by Coron after P.M. no Inquest	Uncertified Causes of Death
England and Wales ...	14.9	0.60	12.4	0.00	0.00	0.02	0.01	0.04	0.07	0.45	0.54	5.8	58	..	..	..	..
121 County Boroughs and Great Towns, including London ...	14.9	0.67	12.5	0.01	0.00	0.03	0.01	0.04	0.08	0.39	0.45	7.9	62	..	..	..	..
143 Smaller Towns (estimated resident populations 25,000—50,000 census 1931)	15.3	0.64	11.9	0.00	0.00	0.02	0.01	0.03	0.05	0.42	0.42	3.2	55	..	..	..	..
London ...	13.3	0.54	12.3	0.00	0.00	0.01	0.01	0.06	0.05	0.38	0.51	12.0	60	..	..	..	..
West Hartlepool ...	18.48	0.00	14.62	0.00	0.00	0.00	0.01	0.11	0.12	0.44	0.77	2.3	62	88.2	6.7	1.5	3.6
			Crude 13.18														



## APPENDIX 26.

## FACTORY AND WORKSHOP ACT, 1901.

## FACTORIES, WORKSHOPS AND WORKPLACES.

## 1.—Inspection of Factories, Workshops and Workplaces.

*Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.*

Premises. (1)	Number of		
	Inspections (2)	Written notices (3)	Prosecutions (4)
<b>Factories</b> ... .. Including Factory Laundries	56	18	...
<b>Workshops</b> ... .. Including Workshop Laundries	179	25	...
<b>Workplaces</b> ... .. Other than Outworkers' Premises	22	1	...
<b>Totals</b> ... ..	257	44	...

## 2.—Defects found in Factories, Workshops and Workplaces.

PARTICULARS. (1)	Number of defects.			Number of offences in respect of which prose- cutions were instituted (5)
	Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness ... ..	26	26	...	...
Want of ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances ... ..	21	21	...	...
Sanitary accommodation { insufficient ... ..	...	...	...	...
{ unsuitable or defective ... ..	8	8	...	...
{ not separate for sexes ... ..	1	1	...	...
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground bakehouse (s. 101) ... ..	...	...	...	...
Other offences ... .. (Excluding offences relating to outwork and offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921) ... ..	...	...	...	...
<b>Totals</b> ... ..	56	56	...	...